

TECH  
MADE IN UKRAINE



MICROTECH



Catalogue 54+

# MICROTECH

only innovative measuring  
INSTRUMENTS

2019



MICROTECH  
founded

1995



Metrological  
laboratory  
founded

2003



Manufacturing  
department

2004



NEW MICROTECH  
factory

2008



Wireless data  
transfer  
solution

2010

# What is MICROTECH

- Manufacturing measuring and industrial instrument in Ukraine since 1995
- Manufacturing process according **ISO 9001:2015**
- Metrological laboratory accredited **ISO 17025:2015**
- Own IT & developing department patented in 65 types of instruments during 2015-2019
- Over 35 MICROTECH distributors worldwide
- **«Industry 4.0»** ready instruments





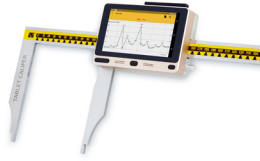
Big depth  
bore gauge

2012



Force  
caliper

2014



Tablet 4.0  
computerized  
caliper

2015



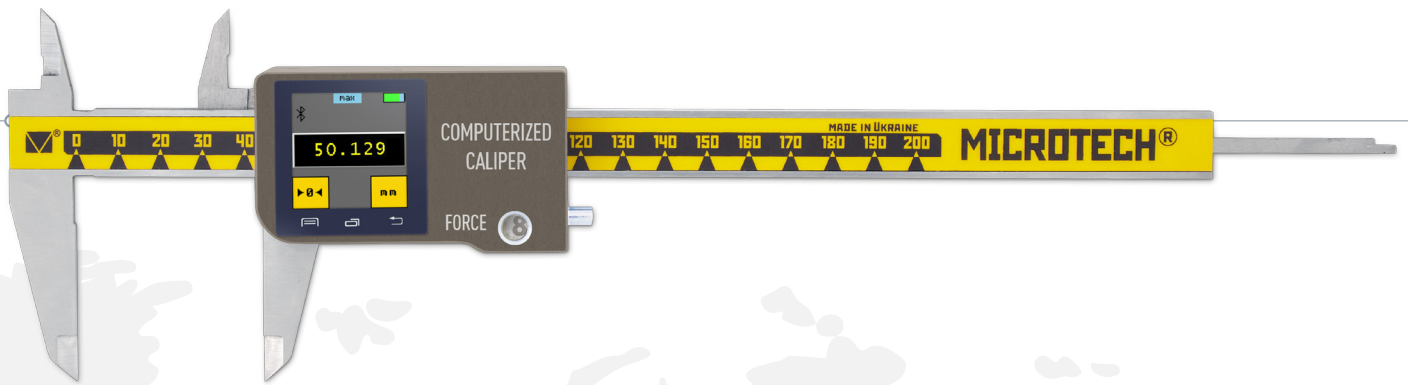
Calculator  
caliper

2016



Intelligent  
computerized  
caliper

2018



INDUSTRY  
4.0

2015

**COMPUTERIZED  
CALIPER**

INDUSTRY  
3.0

1978

**DIGITAL  
CALIPER**

INDUSTRY  
2.0

1917

**DIAL  
CALIPER**

INDUSTRY  
1.0

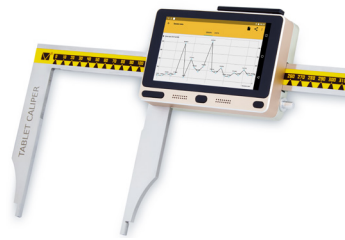
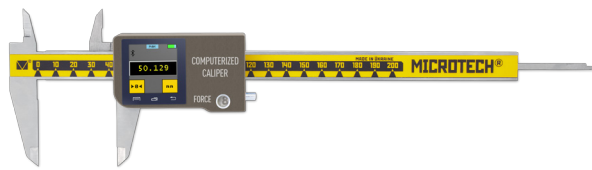
1840

**VERNIER  
CALIPER**

## WIRELESS CONNECTION

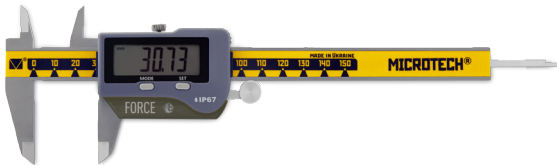


6



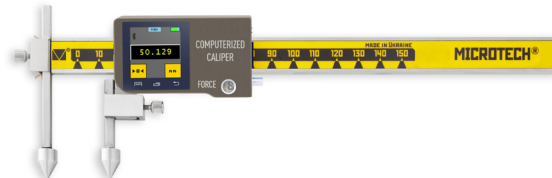
## COMPUTERIZED CALIPERS

14



## PRECISION & WIRELESS CALIPERS

18



## SPECIAL JAWS CALIPERS

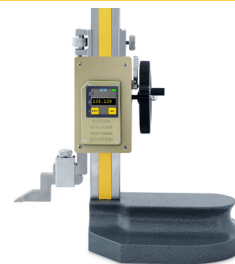
30

## EXTRA LONG CALIPER



42

## COMPUTERIZED HEIGHT GAUGES



52



## COMPUTERIZED & PRECISION MICROMETERS

58



## SPECIAL & BIG RANGE MICROMETERS

62





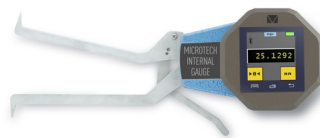
## WIRELESS INTERNAL MICROMETERS

72



## COMPUTERIZED & PRECISION INDICATORS

74



## PRECISION THICKNESS GAUGES

84



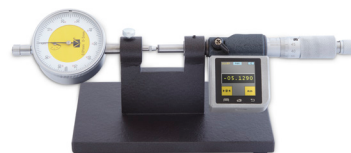
## COMPUTERIZED RADIUS & SPHERE GAUGES

88



## EXTRA-LONG BORE GAUGES

92



## CALIBRATION STANDS

96



## COMPUTERIZED PRECISION LEVELS

98



**MICROTECH**

since 1995



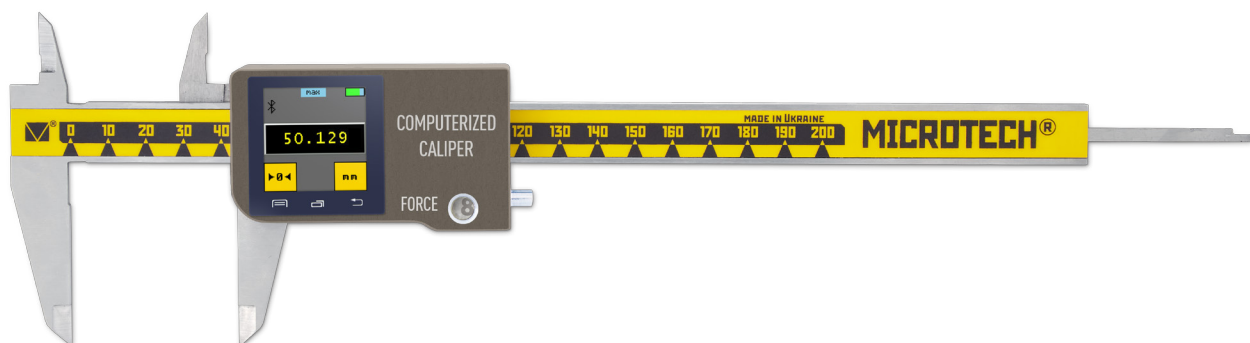
[www.microtech.ua](http://www.microtech.ua)

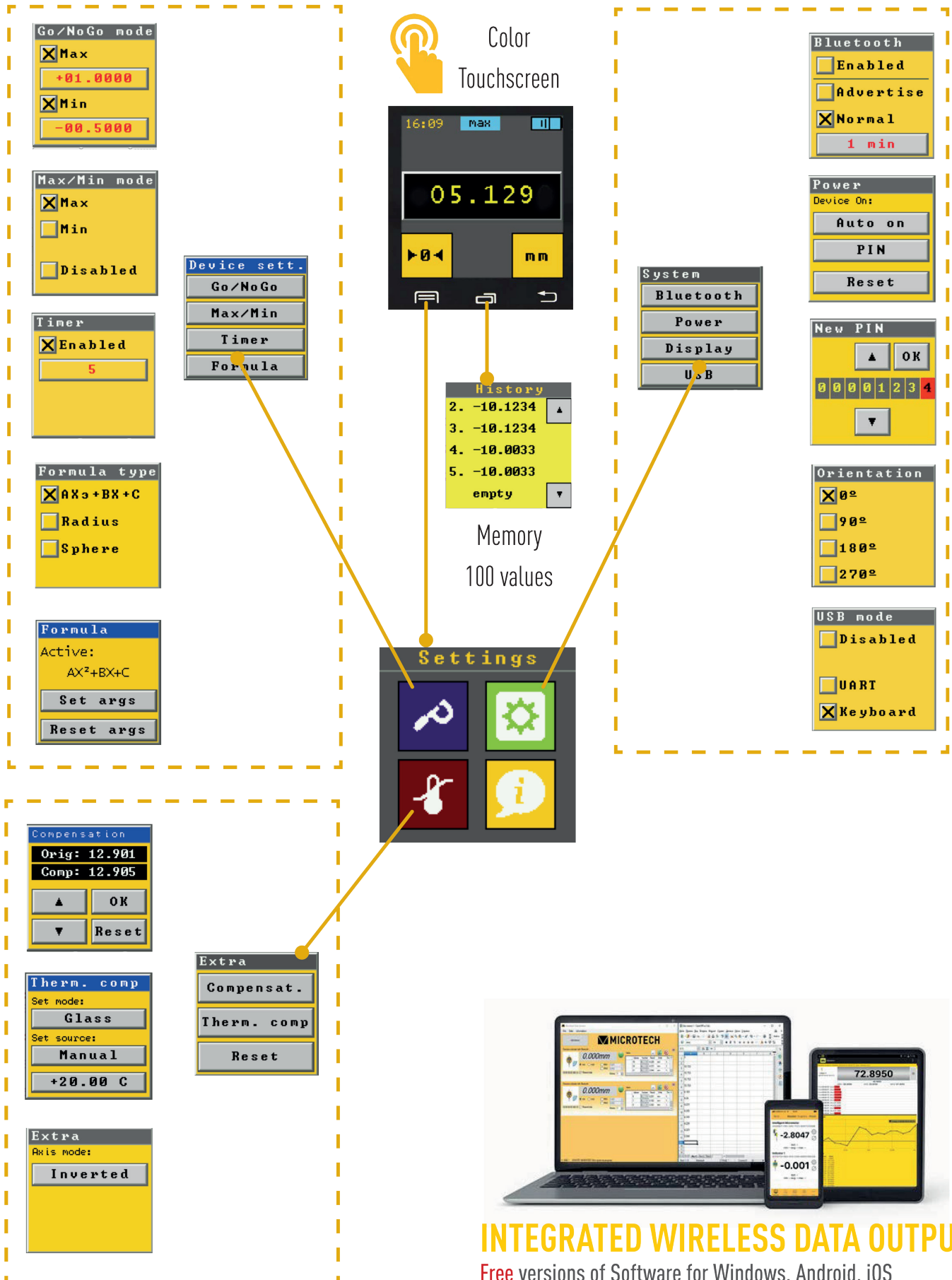


ISO 17025



ISO 9001:2015





**INTEGRATED WIRELESS DATA OUTPUT**  
Free versions of Software for Windows, Android, iOS

- MICROTECH\_DATA Software (MDS) for WINDOWS PC for connection with MICROTECH Wireless instruments
- Available Lite **FREE** or Pro version
- Up to 16 instruments connection to 1 Windows PC (Pro version)
- Statistics, Graphical mode
- Save measurement results in \*.xls or \*.csv.
- Sending (transfer) data to Excell or any other Windows software (keyboard mode)
- Auto searching instruments (for Intelligent instruments) **NEW**
- Transfer data from 1 instrument to several PC at the same time (in Energy saving mode) **NEW**
- Standard and Energy saving mode available

## WIRELESS INSTRUMENTS



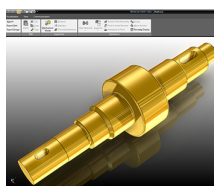
## COMPUTERIZED INSTRUMENTS



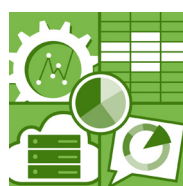
Windows®



Saving data  
to xls. csv  
formats



Transfer data to  
CAD, SPC or other  
Windows Software



Transfer data to  
Excel or any other  
table editors

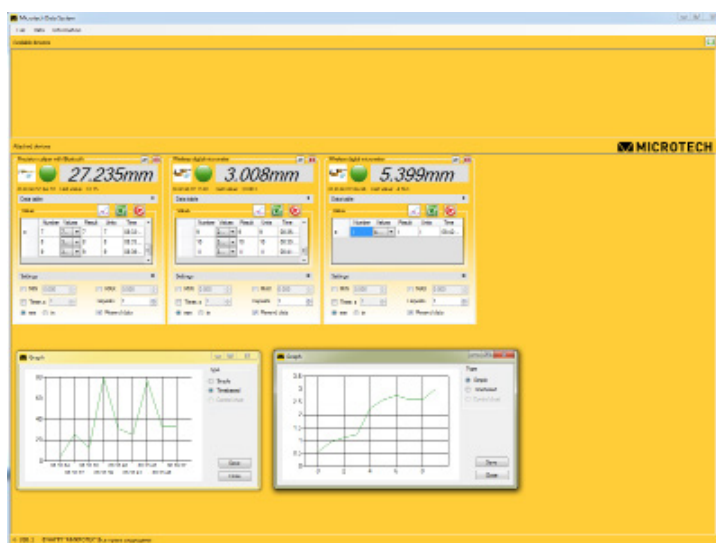


USB data transfer with standard cable



## VERSIONS COMPARE

| MicrotechData Windows (MDS)                                                            |                  |           |
|----------------------------------------------------------------------------------------|------------------|-----------|
|                                                                                        | LITE             | PRO       |
|                                                                                        | 299100030        | 299100080 |
| Platform                                                                               | Windows 7, 8, 10 |           |
| Max. instruments                                                                       | 2                | 16        |
| Energy saving mode                                                                     | +                | +         |
| Transfer data from 1 instrument to several PC at the same time (in Energy saving mode) | NEW              | NEW       |
| Max Distance, m                                                                        | 10               | 10        |
| Dongle required for Wireless                                                           | +                | +         |
| Foot-Switch connection                                                                 | +                | +         |
| Display value                                                                          | +                | +         |
| Go/NoGo functions                                                                      | +                | +         |
| Graphical mode                                                                         | +                | +         |
| Timer                                                                                  | +                | +         |
| Save data to xls                                                                       | +                | +         |
| Save data to csv                                                                       | +                | +         |
| Transfer data (txt) to any Windows software                                            | +                | +         |
| Transfer data format selection                                                         | NEW              | NEW       |
| Save data                                                                              | +                | +         |
| Multilanguage                                                                          | +                | +         |
| Working with Touchscreen                                                               | +                | +         |
|                                                                                        | FREE             |           |



TRANSFER DATA FROM 1 INSTRUMENT  
TO SEVERAL PC AT THE SAME TIME



**FREE SOFTWARE DOWNLOAD** on [www.microtech.ua](http://www.microtech.ua)

## ACCESORIES

| Item No   | Type                                                                    |
|-----------|-------------------------------------------------------------------------|
| 299100030 | FREE SPC- Software MDS MicrotechData <b>Lite</b> for Windows            |
| 299100080 | SPC- Software MDS MicrotechData <b>Pro</b> for Windows                  |
| 299190001 | Standart USB-Dongle for Windows                                         |
| 299190002 | Long range USB-Dongle for Windows                                       |
| 299190004 | 1m Cable extention for USB-Dongle                                       |
| 299190020 | USB data transfer cable (for Intelligent instruments)                   |
| 299190022 | Magnetic fixation USB data transfer cable (for Intelligent instruments) |
| 299190030 | Power charger for Intelligent instruments                               |
| 299190000 | USB-Footswitch for Windows                                              |
| 299190010 | Wireless-Footswitch for Windows                                         |

- MICROTECH\_DATA App for Android devices for connection with MICROTECH Wireless instruments
- Available Lite **FREE** or Pro version
- Up to 7 instruments connection to 1 Android device
- Limits control, Timer function, Statistics, Graphical mode
- Measuring, Formula & Radius mode
- Battery & connection status indication **NEW**
- User management **NEW**
- Voice mode (multilanguage)
- Quality control mode with import and processing drawings and detail photo's **NEW**
- Control protocols with batch of products (Serial number, Go/NoGo, draws) **NEW**
- Import/Export measuring results to Cloud or Factory network (optional) **NEW**
- Save measurement results in \*.xls and Graphical in \*.png

## DESCRIPTION

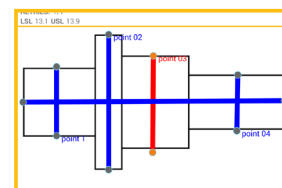
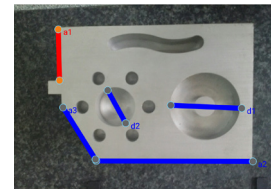
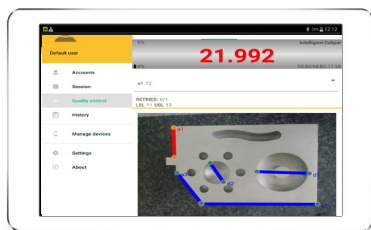
### WIRELESS INSTRUMENTS



### COMPUTERIZED INSTRUMENTS



### VOICE MODE



**IMPORT  
FROM  
FILE OR  
CAMERA**



**Quality  
Control  
results**



**Saving data  
to xls  
formats**



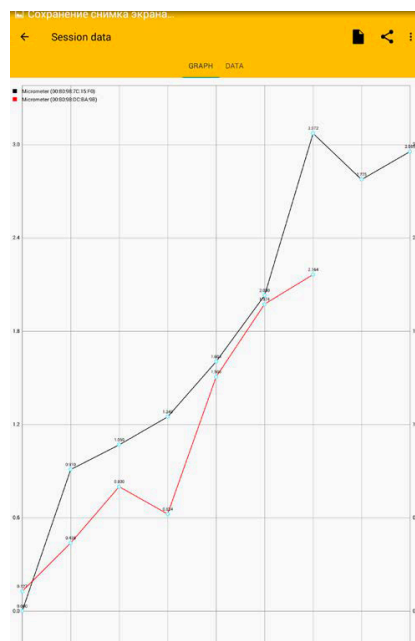
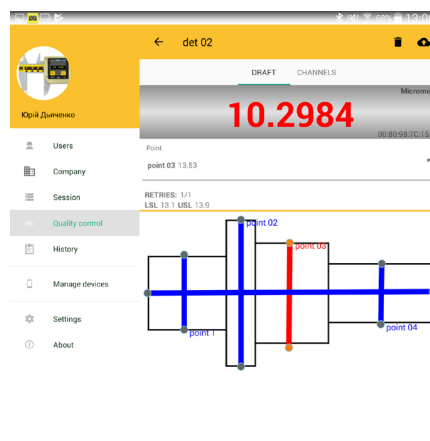
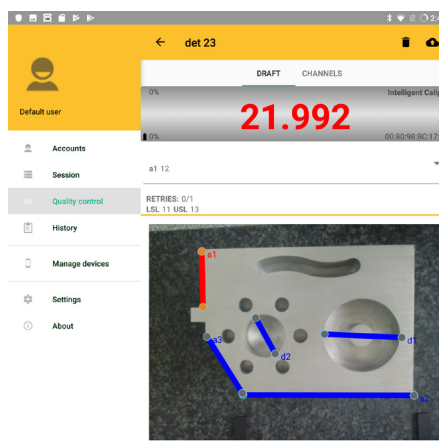
**Saving  
Graph**



**Export data  
to Cloud**

## VERSIONS COMPARE

|                                             | MicrotechData Android |            |
|---------------------------------------------|-----------------------|------------|
|                                             | LITE                  | PRO        |
|                                             | 299100040             | 299100050  |
| Platform                                    | Android 6,0 +         |            |
| Max. instruments                            | 2                     | 7          |
| Energy saving mode                          | +                     | +          |
| Max distance, m                             | 15                    | 15         |
| No Dongle required                          | +                     | +          |
| Display value                               | +                     | +          |
| Go/NoGo functions                           | +                     | +          |
| Go/NoGo Buzzer                              | -                     | +          |
| Graphical mode                              | +                     | +          |
| Voice mode                                  | +                     | +          |
| Battery status indication                   | NEW                   | NEW        |
| Connection indication                       | NEW                   | NEW        |
| Reading on Timer                            | +                     | +          |
| Formula & Radius mode                       | -                     | +          |
| User management                             | NEW                   | NEW        |
| Quality control                             | NEW                   | NEW        |
| Import& processing details<br>draws, photos | NEW                   | NEW        |
| Photo detail by camera                      | NEW                   | NEW        |
| Serial number                               | NEW                   | NEW        |
| Batch of products control                   | NEW                   | NEW        |
| Export data to xls                          | +                     | +          |
| Export graph to png                         | +                     | +          |
| Export data to Cloud                        | -                     | Order      |
| Save data                                   | +                     | +          |
| Multilanguage                               | +                     | +          |
|                                             | FREE                  | GooglePlay |



**FREE SOFTWARE DOWNLOAD**  
**on GooglePlay**

## ACCESORIES

| Item No   | Type                                                     |
|-----------|----------------------------------------------------------|
| 299100040 | FREE SPC- Software MicrotechData <b>LITE</b> for Android |
| 299100050 | SPC- Software MicrotechData <b>PRO</b> for Android       |

- MICROTECH\_DATA App for iOS devices for connection with MICROTECH Wireless instruments
- Avialbe Lite **FREE** or Pro version
- Up to 7 instruments connection to 1 iOS devices
- Statistic, Graphical mode
- Save measurement results to \*.csv.
- Save graph results **NEW**
- Voice mode (multilanguage) **NEW**
- Autoserching instruments
- Standart and Energy saving mode aviable

## DESCRIPTION



**Saving data  
to xls  
formats**



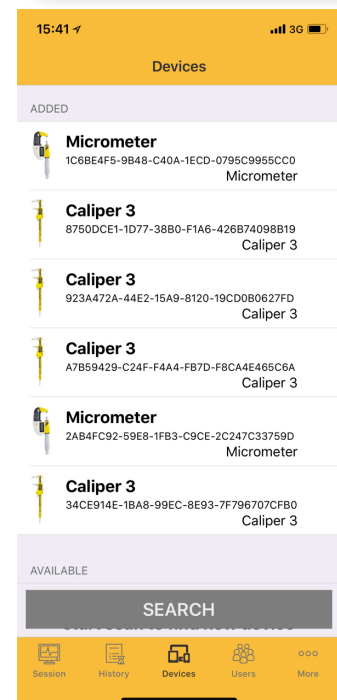
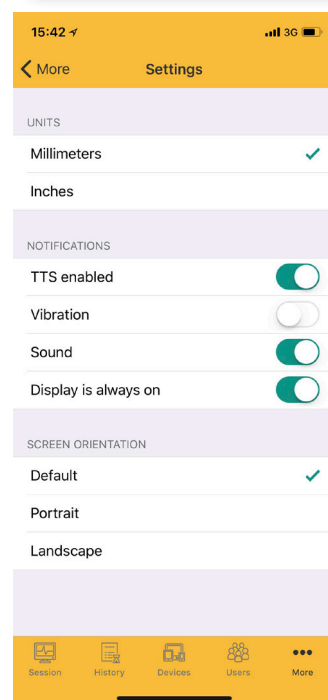
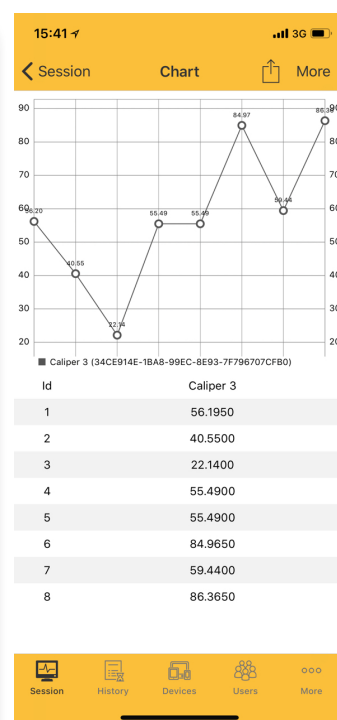
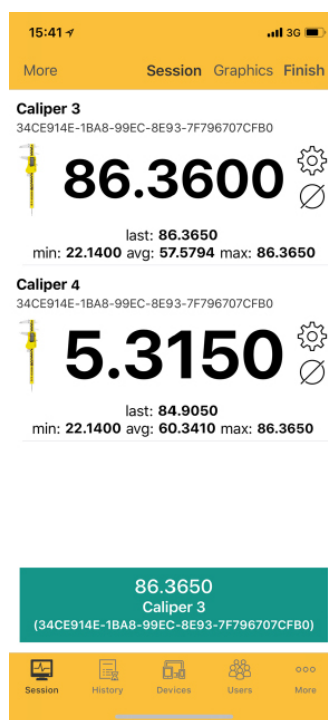
**Saving  
Graph**



# MICROTECH DATA APPLICATION FOR IOS DEVICES

## VERSIONS COMPARE

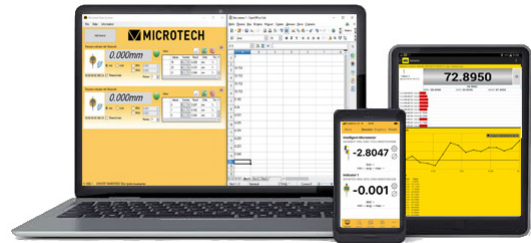
|                         | MicrotechData iOS |           |
|-------------------------|-------------------|-----------|
|                         | LITE              | PRO       |
|                         | 299100060         | 299100070 |
| Platform                | iOS               |           |
| Max. instruments        | 2                 | 7         |
| Energy saving mode      | +                 | +         |
| Distance, m             | 12                | 12        |
| No Dongle required      | +                 | +         |
| Display value           | +                 | +         |
| User management         | NEW               | NEW       |
| Serial number           | NEW               | NEW       |
| Formula mode            | -                 | +         |
| Go/NoGo functions       | +                 | +         |
| Go/NoGo Buzzer          | -                 | +         |
| Graphical mode          | +                 | +         |
| Voice mode              | +                 | +         |
| Reading on Timer        | +                 | +         |
| Formula mode            | -                 | +         |
| Mathematical correction | -                 | +         |
| Save data to csv        | +                 | +         |
| Save graph              | +                 | +         |
| Multilanguage           | +                 | +         |
|                         | FREE              | App Store |



**FREE SOFTWARE DOWNLOAD**  
on AppStore

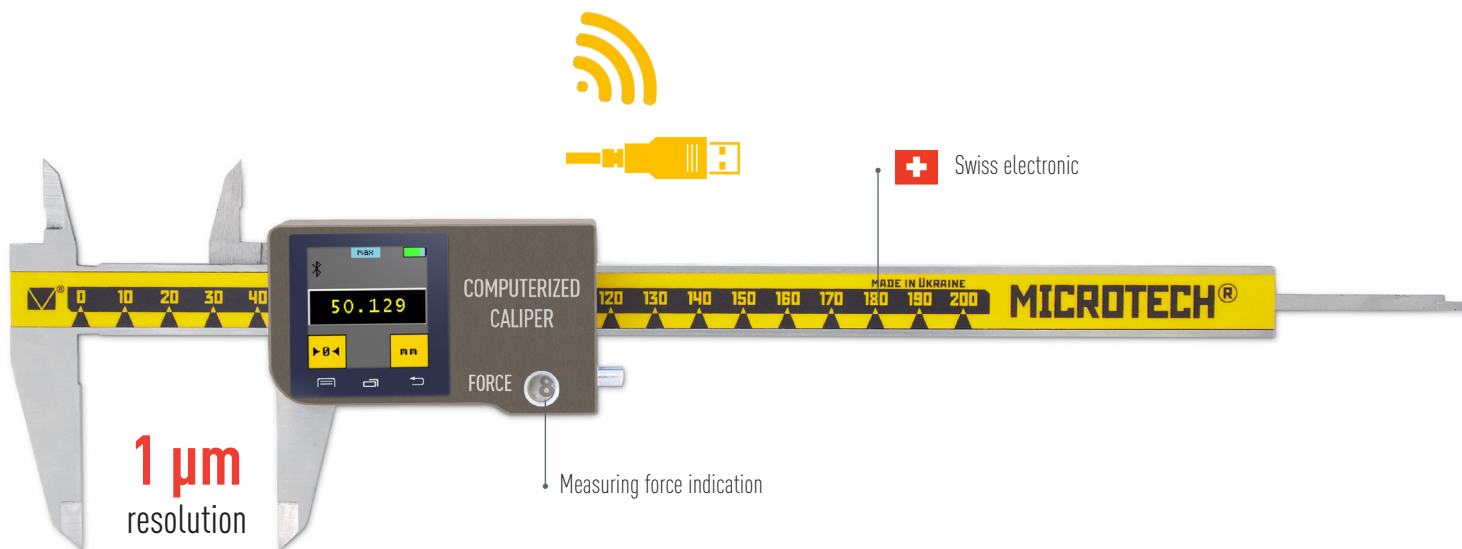
## ACCESORIES

| Item No   | Type                                         |
|-----------|----------------------------------------------|
| 299100060 | FREE SPC- Software MicrotechDataLite for iOS |
| 299100070 | SPC- Software MicrotechDataPro for iOS       |

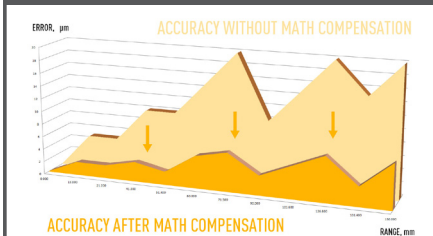


## INTEGRATED WIRELESS DATA OUTPUT

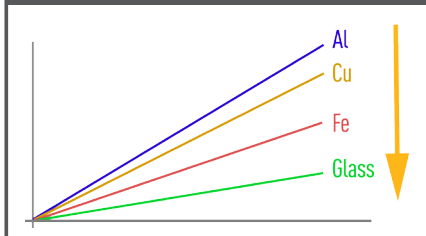
Free versions of Software for Windows, Android, iOS



### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



LI-POL

### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION

NoGo Go NoGo

### INTERNAL MEMORY

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING  
CONTROL **FORCE**



**4.0** Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

- Patent US10184772, UA 99687, UA 103318, UA 104879, UA 112254, UA 121314, UA 122165, UA126928, UA128692 by MICROTECH
- Extra-High accuracy up to  $\pm 5\mu\text{m}$  (on 150mm range)
- Force control module 8N with indication **NEW**
- Resolution **1** or 5  $\mu\text{m}$
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

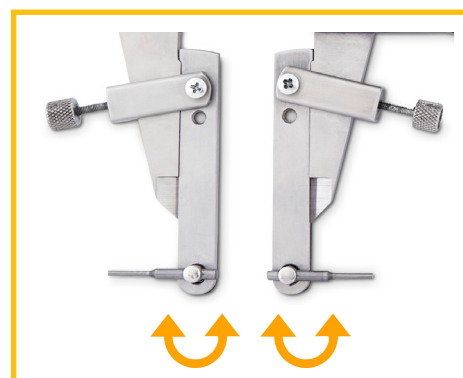
## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No   | Range | Resolution | Accuracy*   | Jaws     |          | Measuring force | Waterproof | Functions                                             | Indication        | Data output  |
|-----------|-------|------------|-------------|----------|----------|-----------------|------------|-------------------------------------------------------|-------------------|--------------|
|           |       |            |             | External | Internal |                 |            |                                                       |                   |              |
|           | mm    | mm         | mm          | mm       | mm       | N               |            |                                                       |                   |              |
| 141096015 | 0-150 | 0,005      | $\pm 0,010$ | 40       | 16       | 8               | IP-54      | Error comp.<br>Temp.comp.<br>Memory<br>Lock<br>Limits | 1.5" Touch screen | Wireless+USB |
| 141097015 | 0-150 | 0,001      | $\pm 0,005$ | 40       | 16       | 8               | IP-65      |                                                       |                   | Wireless+USB |
| 141096020 | 0-200 | 0,005      | $\pm 0,010$ | 50       | 20       | 8               | IP-54      |                                                       |                   | Wireless+USB |
| 141097020 | 0-200 | 0,001      | $\pm 0,007$ | 50       | 20       | 8               | IP-65      |                                                       |                   | Wireless+USB |
| 141096030 | 0-300 | 0,005      | $\pm 0,015$ | 60       | 20       | 8               | IP-54      |                                                       |                   | Wireless+USB |
| 141097030 | 0-300 | 0,001      | $\pm 0,010$ | 60       | 20       | 8               | IP-65      |                                                       |                   | Wireless+USB |

## ACCESORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 140010001 | Universal accessories set (2 sets of anvils)                |
| 140010004 | Universal accessories set (3 sets of anvils)                |
| 140010005 | Universal accessories set (4 sets of anvils)                |
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



\*Accuracy of internal and depth measurings according DIN862



**MICROTECH**

since 1995



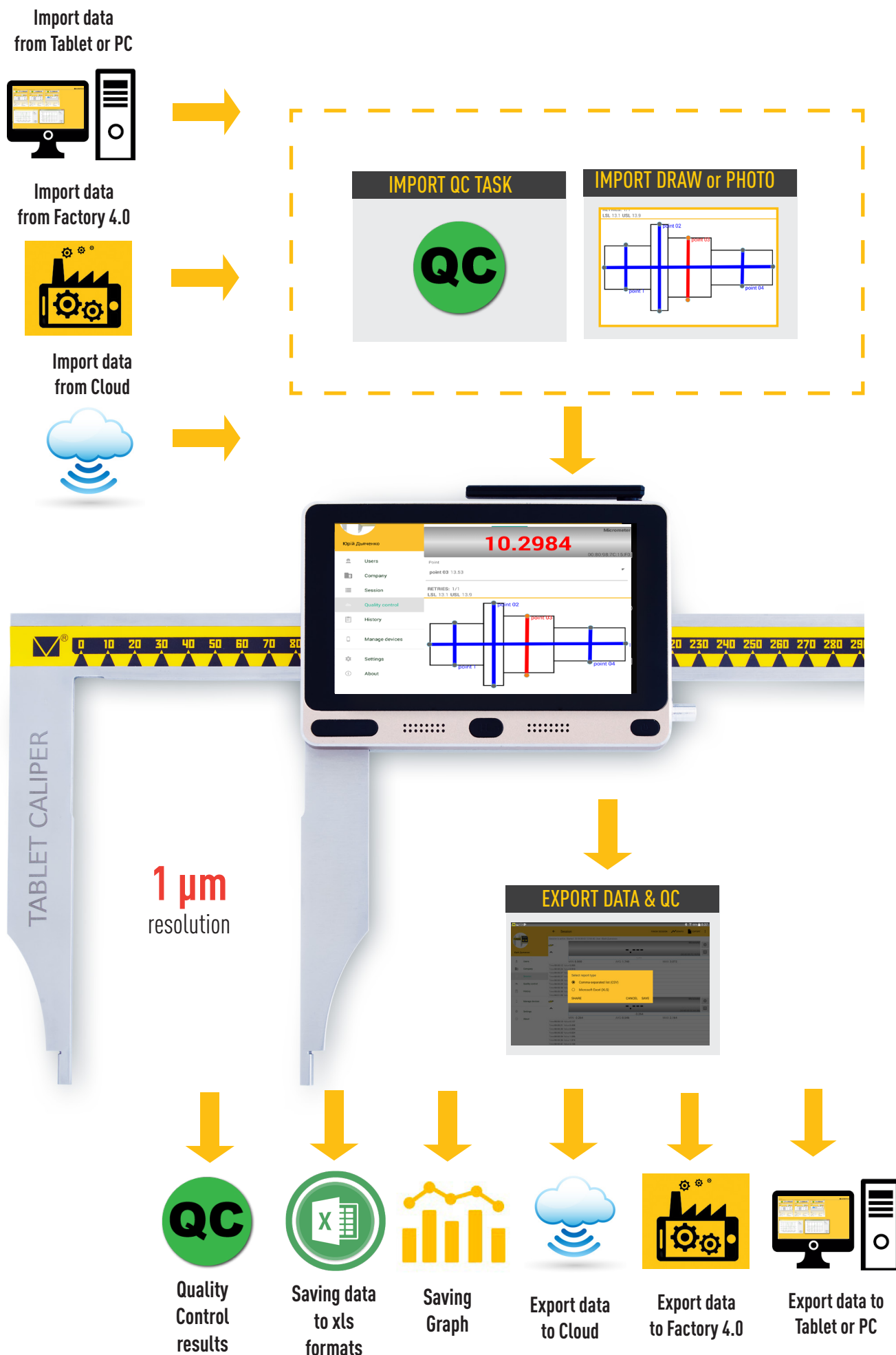
www.microtech.ua



ISO 17025



ISO 9001:2015





DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING  
CONTROL **FORCE**



**4.0** Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

- Patent US10184772, UA 99687, UA 103318, UA 104879, UA 112254, UA117732, UA 122165 by MICROTECH
- Swiss made reading system with resolution 1  $\mu\text{m}$
- Extra-High accuracy up to  $\pm 15\mu\text{m}$  (on 500mm range)
- Built in computer with touch screen
- Quality Control system with possibility import/export tasks, details draws & photos
- Export measuring results to USC, PC, Tablets, Cloud (Industry 4.0 ready)
- Graphical mode with export possibilities
- Save measurement results in \*.xls or QC files **NEW**
- Voice mode, Graphical mode, Go/ NoGo function (limits) with colour indication
- Multilanguage
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

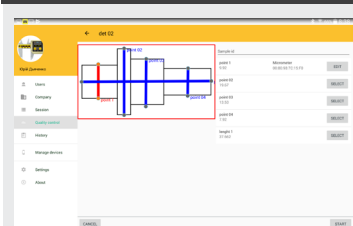
## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No   | Range  | Jaw length | Resolution | Accuracy*   | Measuring force | Built in computer | Quality control | Export to cloud |
|-----------|--------|------------|------------|-------------|-----------------|-------------------|-----------------|-----------------|
|           | mm     | mm         | mm         | mm          | N               |                   |                 |                 |
| 141098052 | 0-500  | 150        | 0,001      | $\pm 0,015$ | 15              | +                 | +               | option          |
| 141098055 | 0-500  | 300        | 0,001      | $\pm 0,025$ | 20              | +                 | +               | option          |
| 141098102 | 0-1000 | 150        | 0,001      | $\pm 0,025$ | 15              | +                 | +               | option          |
| 141098105 | 0-1000 | 300        | 0,001      | $\pm 0,030$ | 20              | +                 | +               | option          |
| 141098152 | 0-1500 | 150        | 0,001      | $\pm 0,025$ | 15              | +                 | +               | option          |
| 141098155 | 0-1500 | 300        | 0,001      | $\pm 0,030$ | 20              | +                 | +               | option          |
| 141098202 | 0-2000 | 150        | 0,001      | $\pm 0,030$ | 15              | +                 | +               | option          |
| 141098205 | 0-2000 | 300        | 0,001      | $\pm 0,040$ | 20              | +                 | +               | option          |

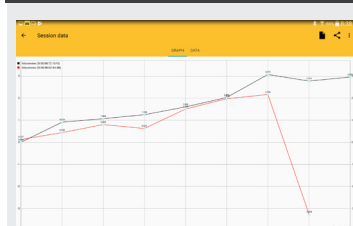
## MAIN FUNCTIONS

### PICTURE IMPORTATION



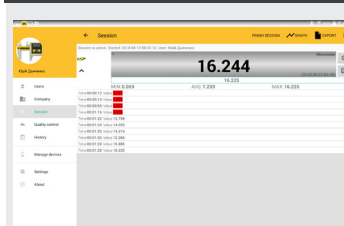
IMPORT JPG PICTURES  
SELECTING MEASURING LINES  
SAVING & EXPORT PROTOCOLS

### COMPUTER w TOUCHSCREEN



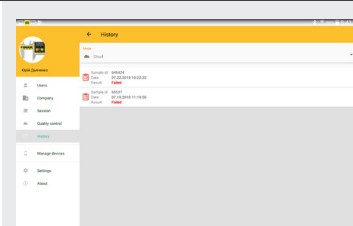
MULTIFUNCTIONAL INTERNAL SOFTWARE  
5" COLOR DISPLAY  
RECHARGEABLE LI-POL BATTERY

### 1 MICRON RESOLUTION



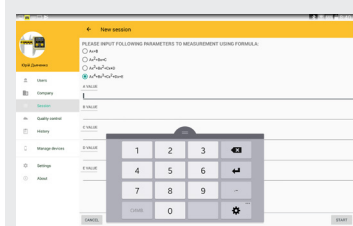
1 MICRON RESOLUTION  
HIGH ACCURACY  
MATH ERROR COMPENSATION

### INTERNAL MEMORY



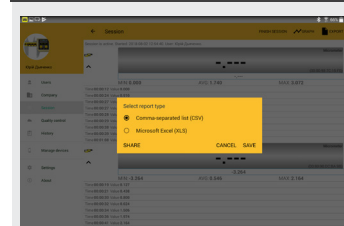
UNLIMITED INTERNAL MEMORY  
SAVING DATA INSIDE DEVICE  
EXPORT TO CLOUD OR OTHER DEVICES

### FORMULA MODE



FLEXIBLE FORMULA MODE  
QUICK RECALCULATION

### EXPORT-IMPORT DATA



SAVE DATA TO XLS, CSV  
EXPORT TO FACTORY NETWORK  
EXPORT TO CLOUD



**MICROTECH**

since 1995



www.microtech.ua



ISO 17025



ISO 9001:2015





DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING  
CONTROL **FORCE**



Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**

- Patent UA 99687, UA 103318, UA 104879, UA 112254 by MICROTECH
- High accuracy up to  $\pm 10\mu\text{m}$  (on 150mm range)
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C
- Force control module
- Go / NoGo , MAX, MIN functions (automatic and manual set)
- Double line display
- Built in Wireless data output module for data transfer to Windows, Android, iOS devices (up to 10m)
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION



**5  $\mu\text{m}$**   
resolution



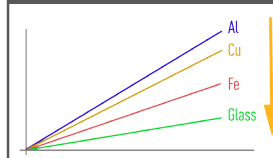
## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

### TOLERANCE FUNCTION

NoGo Go NoGo

### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



Li-POL

| Item No    | Range | Resolution | Accuracy    | Jaws     |          | Measuring force | Temperature compensation | Carbide tips | Data output |
|------------|-------|------------|-------------|----------|----------|-----------------|--------------------------|--------------|-------------|
|            |       |            |             | External | Internal |                 |                          |              |             |
| 141095011  | 0-170 | 0,005      | $\pm 0,010$ | 50       | 20       | 8               | 0-50°C                   | -            | Wireless    |
| 141095011C | 0-170 | 0,005      | $\pm 0,010$ | 50       | 20       | 8               | 0-50°C                   | +            | Wireless    |
| 141095021  | 0-270 | 0,005      | $\pm 0,015$ | 60       | 20       | 8               | 0-50°C                   | -            | Wireless    |
| 141095021C | 0-270 | 0,005      | $\pm 0,015$ | 60       | 20       | 8               | 0-50°C                   | +            | Wireless    |

\*Accuracy of internal and depth measurements according DIN862





DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING CONTROL **FORCE**



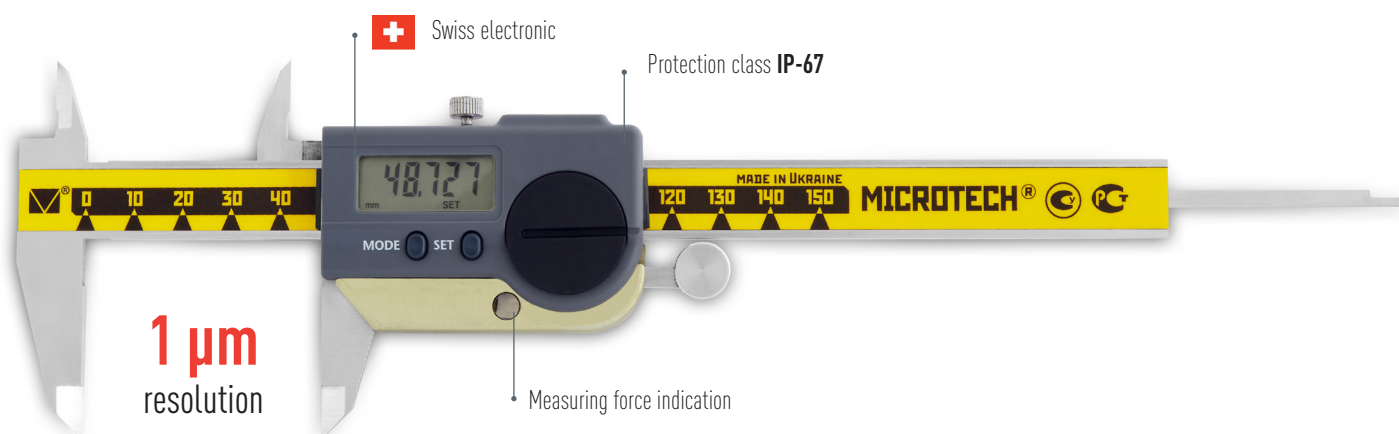
Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**

- Patent US20170322009, WO2016124991, UA100613, UA121314 by MICROTECH
- Extra-High accuracy up to  $\pm 5 \mu\text{m}$  on external jaws (in 6 times better then DIN)
- High level Swiss electronic module with  $1 \mu\text{m}$  resolution
- Optimal measuring force (8N) with indication
- Hand finished measuring surfaces
- Protection class IP-67
- Preset function
- Al alloy Force module
- Automatic wake up by moving electronic
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION



| Item No   | Range   | Resolution | Accuracy*   | Jaw length | Measuring force | Protection class | Data output |
|-----------|---------|------------|-------------|------------|-----------------|------------------|-------------|
|           | mm      | mm         | mm          | mm         | N               |                  |             |
| 141099192 | 0-150   | 0,001      | $\pm 0,005$ | 40         | 8               | IP-67            | RS-232      |
| 141099293 | 0-199,9 | 0,001      | $\pm 0,007$ | 50         | 8               | IP-67            | RS-232      |

**6pcs**

DIN 863 MICROMETER  
range 0-150mm



MICROMETER 0-25mm ( $\pm 4 \mu\text{m}$ )  
MICROMETER 25-50mm ( $\pm 4 \mu\text{m}$ )  
MICROMETER 50-75mm ( $\pm 4 \mu\text{m}$ )  
MICROMETER 75-100mm ( $\pm 5 \mu\text{m}$ )  
MICROMETER 100-125mm ( $\pm 6 \mu\text{m}$ )  
MICROMETER 125-150mm ( $\pm 6 \mu\text{m}$ )

**1pcs**

MICRON FORCE CALIPER  
range 0-150mm



\*Accuracy of internal and depth measurings according DIN862



**MICROTECH**

since 1995



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ISO 17025



ISO 9001:2015

ISO 9001:2015



DEVELOPING PATENTED BY  
**MICROTECH**



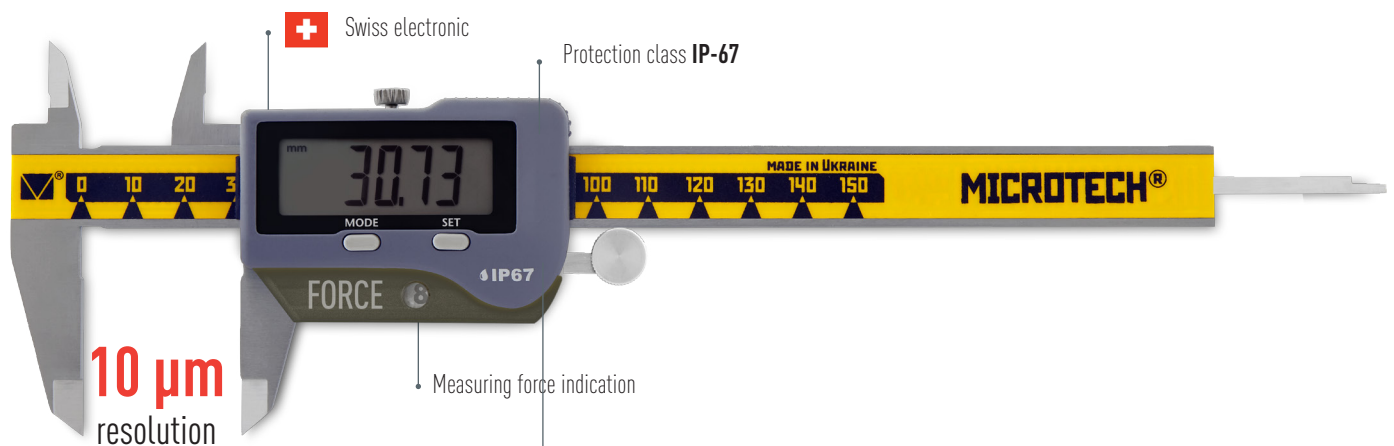
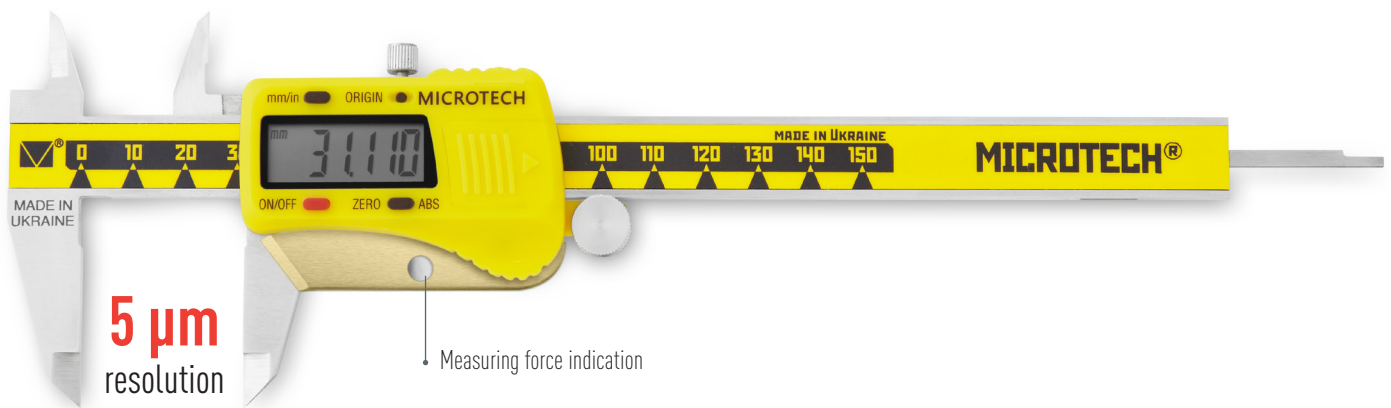
PRECISION **SERIE**



MEASURING  
CONTROL **FORCE**



METROLOGICAL CONTROL  
**MICROTECH**

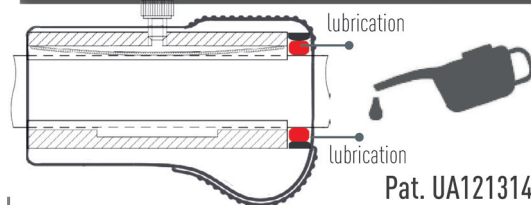


**Modification with carbide tips**



Carbide tips on  
Internal & External  
jaws

**MICROTECH lubrication system for easy sliding**



- Patent US20170322009, UA100613, UA121314 by MICROTECH
- Force control module 8N
- Accuracy  $\pm 10 \mu\text{m}$  on external jaws (better then DIN 862 requirements)
- Hand finished measuring surfaces
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- Modification with high level Swiss electronic with big extra screen. Protection class IP-67 **NEW**
- Modification with carbide tips on intenal/external jaws
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## PRECISION FORCE CALIPER IP-54

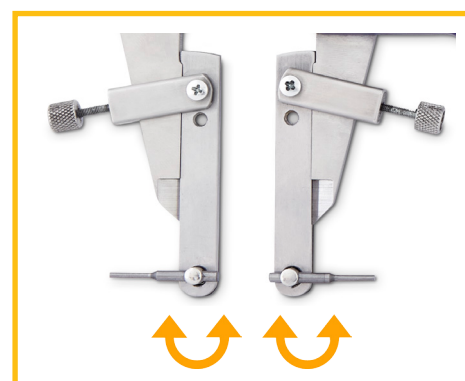
| Item No    | Range | Resolution | Accuracy*   | Jaw      |          | Protection class | Measuring force | Carbide tips | Depth rod |
|------------|-------|------------|-------------|----------|----------|------------------|-----------------|--------------|-----------|
|            |       |            |             | External | Internal |                  |                 |              |           |
|            | mm    | mm         | mm          | mm       | mm       |                  | N               |              | mm        |
| 141088152  | 0-150 | 0,005      | $\pm 0,010$ | 40       | 16       | IP-54            | 8               | -            | 4x1,4     |
| 141088152C | 0-150 | 0,005      | $\pm 0,010$ | 40       | 16       | IP-54            | 8               | +            | 4x1,4     |
| 141088252  | 0-200 | 0,005      | $\pm 0,010$ | 50       | 20       | IP-54            | 8               | -            | 4x1,4     |
| 141088252C | 0-200 | 0,005      | $\pm 0,010$ | 50       | 20       | IP-54            | 8               | +            | 4x1,4     |
| 141088352  | 0-300 | 0,005      | $\pm 0,020$ | 60       | 20       | IP-54            | 8               | -            | 4x1,4     |
| 141088352C | 0-300 | 0,005      | $\pm 0,020$ | 60       | 20       | IP-54            | 8               | +            | 4x1,4     |

## PRECISION FORCE CALIPER IP-67 WITH LUBRICATION SYSTEM

| Item No    | Range | Resolution | Accuracy*   | Jaw      |          | Protection class | Measuring force | Carbide tips | Lubrication system | Depth rod |
|------------|-------|------------|-------------|----------|----------|------------------|-----------------|--------------|--------------------|-----------|
|            |       |            |             | External | Internal |                  |                 |              |                    |           |
|            | mm    | mm         | mm          | mm       | mm       |                  | N               |              |                    | mm        |
| 141077122  | 0-150 | 0,01       | $\pm 0,010$ | 40       | 16       | IP-67            | 8               | -            | +                  | 4x1,4     |
| 141077122C | 0-150 | 0,01       | $\pm 0,010$ | 40       | 16       | IP-67            | 8               | +            | +                  | 4x1,4     |
| 141077222  | 0-200 | 0,01       | $\pm 0,010$ | 50       | 20       | IP-67            | 8               | -            | +                  | 4x1,4     |
| 141077222C | 0-200 | 0,01       | $\pm 0,010$ | 50       | 20       | IP-67            | 8               | +            | +                  | 4x1,4     |
| 141077322  | 0-300 | 0,01       | $\pm 0,020$ | 60       | 20       | IP-67            | 8               | -            | +                  | 4x1,4     |
| 141077322C | 0-300 | 0,01       | $\pm 0,020$ | 60       | 20       | IP-67            | 8               | +            | +                  | 4x1,4     |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 140010001 | Universal accessories set (2 sets of anvils)                |
| 140010004 | Universal accessories set (3 sets of anvils)                |
| 140010005 | Universal accessories set (4 sets of anvils)                |
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



\*Accuracy of internal and depth measurings according DIN862



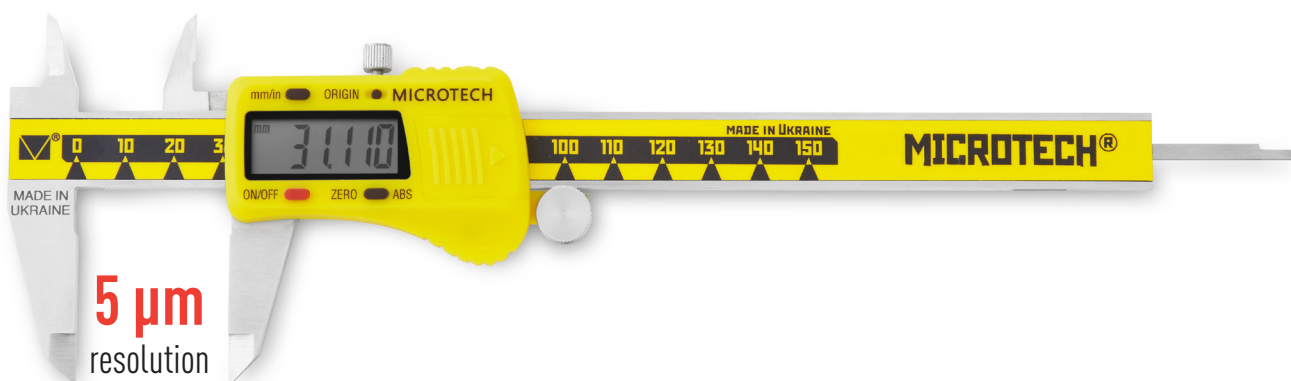
DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



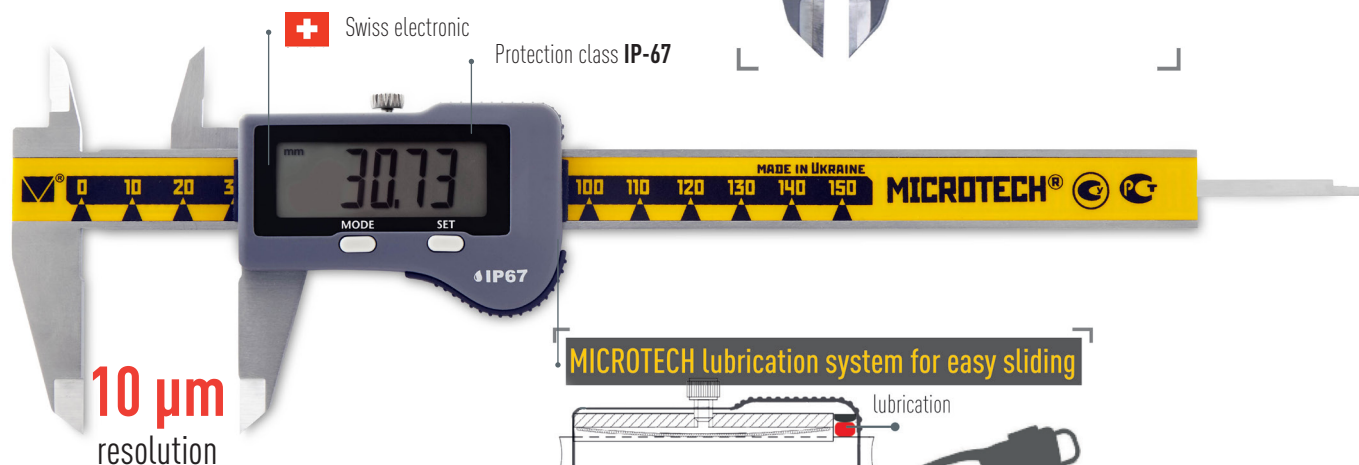
METROLOGICAL CONTROL  
**MICROTECH**



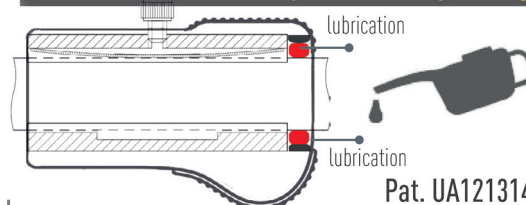
**Modification with carbide tips**



Carbide tips on  
Internal & External  
jaws



**MICROTECH lubrication system for easy sliding**





- Accuracy better then DIN 862 requirements
- Hand finished measuring surfaces
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- Modification with high level Swiss electronic with big extra screen. Protection class IP-67 **NEW**
- Modification with carbide tips on intenal/external jaws
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## PRECISION DIGITAL CALIPER IP-54

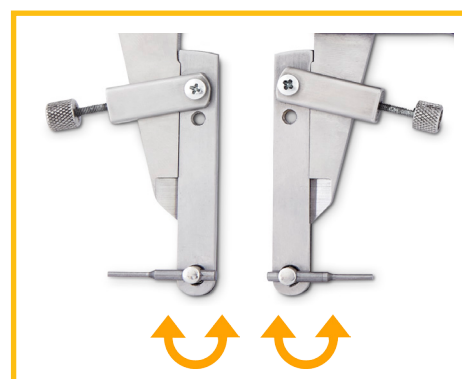
| Item No    | Range | Resolution | Accuracy*   | Jaw      |          | Protection class | Carbide tips | Data output | Depth rod |
|------------|-------|------------|-------------|----------|----------|------------------|--------------|-------------|-----------|
|            |       |            |             | External | Internal |                  |              |             |           |
|            | mm    | mm         | mm          | mm       | mm       |                  |              |             | mm        |
| 141082112  | 0-150 | 0,005      | $\pm 0,020$ | 40       | 16       | IP-54            | -            | RS-232      | 4x1,4     |
| 141082112C | 0-150 | 0,005      | $\pm 0,020$ | 40       | 16       | IP-54            | +            | RS-232      | 4x1,4     |
| 141082212  | 0-200 | 0,005      | $\pm 0,020$ | 50       | 20       | IP-54            | -            | RS-232      | 4x1,4     |
| 141082212C | 0-200 | 0,005      | $\pm 0,020$ | 50       | 20       | IP-54            | +            | RS-232      | 4x1,4     |
| 141082312  | 0-300 | 0,005      | $\pm 0,030$ | 60       | 20       | IP-54            | -            | RS-232      | 4x1,4     |
| 141082312C | 0-300 | 0,005      | $\pm 0,030$ | 60       | 20       | IP-54            | +            | RS-232      | 4x1,4     |

## PRECISION DIGITAL CALIPER IP-67

| Item No    | Range | Resolution | Accuracy*   | Jaw      |          | Protection class | Lubrication system | Carbide tips | Depth rod |
|------------|-------|------------|-------------|----------|----------|------------------|--------------------|--------------|-----------|
|            |       |            |             | External | Internal |                  |                    |              |           |
|            | mm    | mm         | mm          | mm       | mm       |                  |                    |              | mm        |
| 141072112  | 0-150 | 0,01       | $\pm 0,020$ | 40       | 16       | IP-67            | -                  | -            | 4x1,4     |
| 141072122  | 0-150 | 0,01       | $\pm 0,020$ | 40       | 16       | IP-67            | +                  | -            | 4x1,4     |
| 141072122C | 0-150 | 0,01       | $\pm 0,020$ | 40       | 16       | IP-67            | +                  | +            | 4x1,4     |
| 141072212  | 0-200 | 0,01       | $\pm 0,020$ | 50       | 20       | IP-67            | -                  | -            | 4x1,4     |
| 141072222  | 0-200 | 0,01       | $\pm 0,020$ | 50       | 20       | IP-67            | +                  | -            | 4x1,4     |
| 14107222C  | 0-200 | 0,01       | $\pm 0,020$ | 50       | 20       | IP-67            | +                  | +            | 4x1,4     |
| 141072312  | 0-300 | 0,01       | $\pm 0,030$ | 60       | 20       | IP-67            | -                  | -            | 4x1,4     |
| 141072322  | 0-300 | 0,01       | $\pm 0,030$ | 60       | 20       | IP-67            | +                  | -            | 4x1,4     |
| 141072322C | 0-300 | 0,01       | $\pm 0,030$ | 60       | 20       | IP-67            | +                  | +            | 4x1,4     |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 140010001 | Universal accessories set (2 sets of anvils)                |
| 140010004 | Universal accessories set (3 sets of anvils)                |
| 140010005 | Universal accessories set (4 sets of anvils)                |
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



\*Accuracy of internal and depth measurings according DIN862



DEVELOPING PATENTED BY  
**MICROTECH**



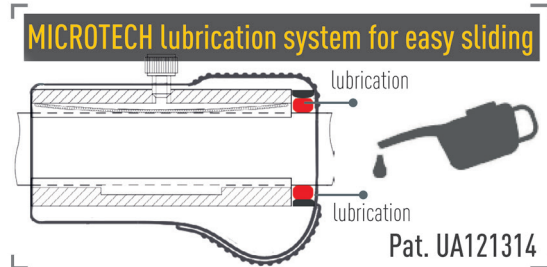
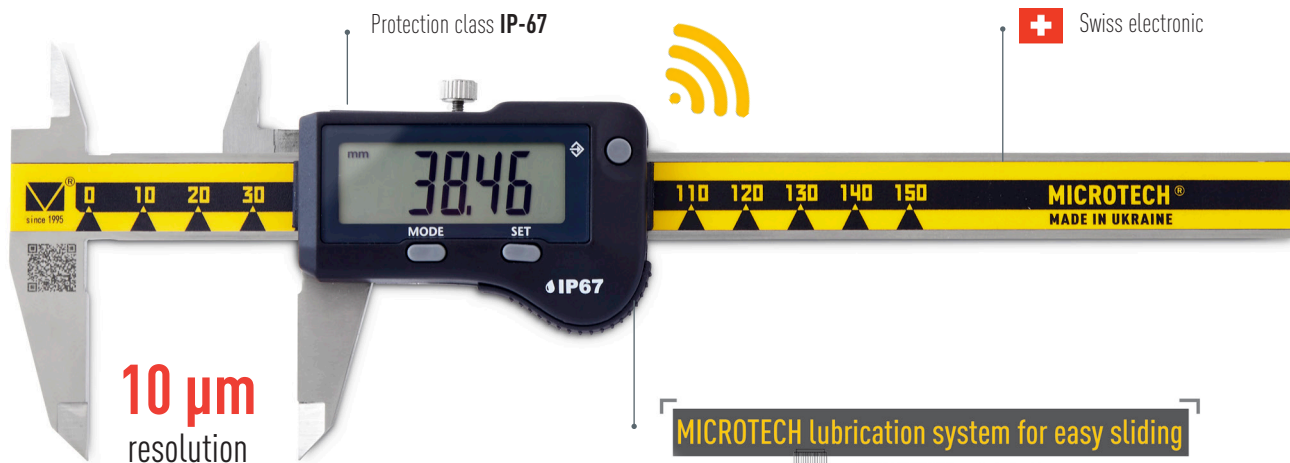
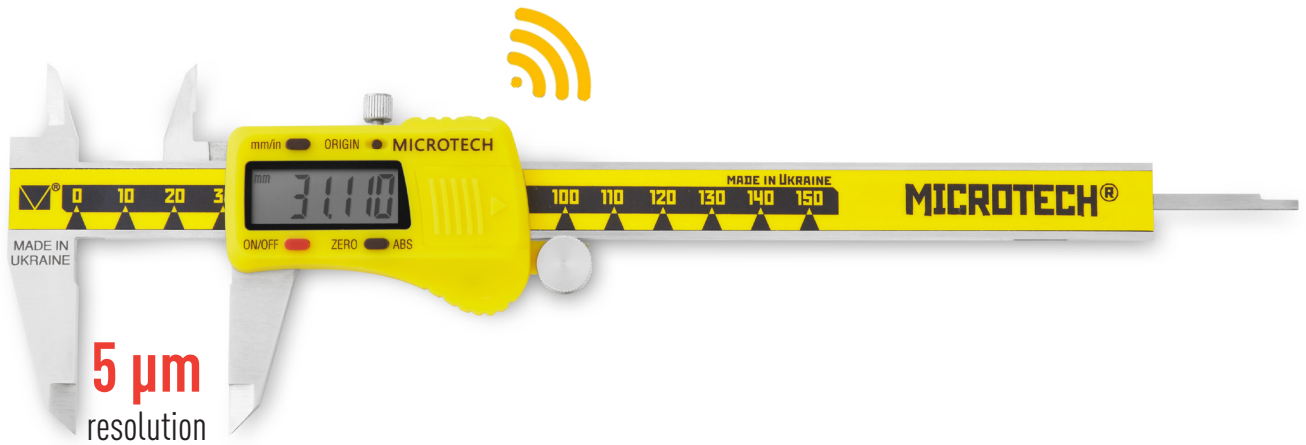
PRECISION **SERIE**



Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**



## Modification with carbide tips



Carbide tips on  
Internal & External  
jaws



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



- Accuracy better then DIN 862 requirements
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for **FREE**
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- Modification with high level Swiss electronic with big extra screen. Protection class IP-67 **NEW**
- Modification with carbide tips on intenal/external jaws
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

### WIRELESS DIGITAL CALIPER IP-54

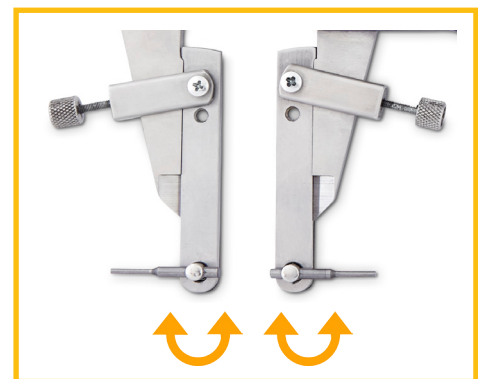
| Item No    | Range | Resolution | Accuracy*   | Jaw      |          | Protection class | Carbide tips | Data output |
|------------|-------|------------|-------------|----------|----------|------------------|--------------|-------------|
|            |       |            |             | External | Internal |                  |              |             |
|            | mm    | mm         | mm          | mm       | mm       |                  |              |             |
| 141082192  | 0-150 | 0,005      | $\pm 0,020$ | 40       | 16       | IP-54            | -            | Wireless    |
| 141082192C | 0-150 | 0,005      | $\pm 0,020$ | 40       | 16       | IP-54            | +            | Wireless    |
| 141082292  | 0-200 | 0,005      | $\pm 0,020$ | 50       | 20       | IP-54            | -            | Wireless    |
| 141082292C | 0-200 | 0,005      | $\pm 0,020$ | 50       | 20       | IP-54            | +            | Wireless    |
| 141082392  | 0-300 | 0,005      | $\pm 0,030$ | 60       | 20       | IP-54            | -            | Wireless    |
| 141082392C | 0-300 | 0,005      | $\pm 0,030$ | 60       | 20       | IP-54            | +            | Wireless    |

### WIRELESS DIGITAL CALIPER IP-67

| Item No    | Range | Resolution | Accuracy*   | Jaw      |          | Protection class | Lubrication system | Carbide tips | Data output |
|------------|-------|------------|-------------|----------|----------|------------------|--------------------|--------------|-------------|
|            |       |            |             | External | Internal |                  |                    |              |             |
|            | mm    | mm         | mm          | mm       | mm       |                  |                    |              |             |
| 141072192  | 0-150 | 0,01       | $\pm 0,020$ | 40       | 16       | IP-67            | +                  | -            | Wireless    |
| 141072192C | 0-150 | 0,01       | $\pm 0,020$ | 40       | 16       | IP-67            | +                  | +            | Wireless    |
| 141072292  | 0-200 | 0,01       | $\pm 0,020$ | 50       | 20       | IP-67            | +                  | -            | Wireless    |
| 141072292C | 0-200 | 0,01       | $\pm 0,020$ | 50       | 20       | IP-67            | +                  | +            | Wireless    |
| 141072392  | 0-300 | 0,01       | $\pm 0,030$ | 60       | 20       | IP-67            | +                  | -            | Wireless    |
| 141072392C | 0-300 | 0,01       | $\pm 0,030$ | 60       | 20       | IP-67            | +                  | +            | Wireless    |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
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| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



\*Accuracy of internal and depth measurings according DIN862



**MICROTECH**

since 1995



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ISO 17025



ISO 9001:2015

# WIRELESS FORCE CALIPER



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



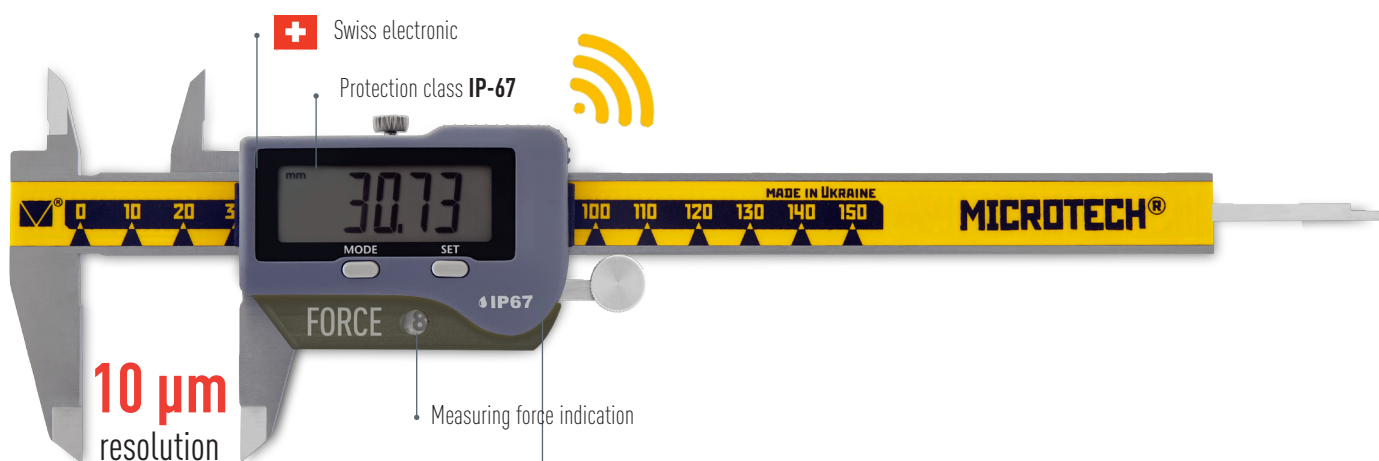
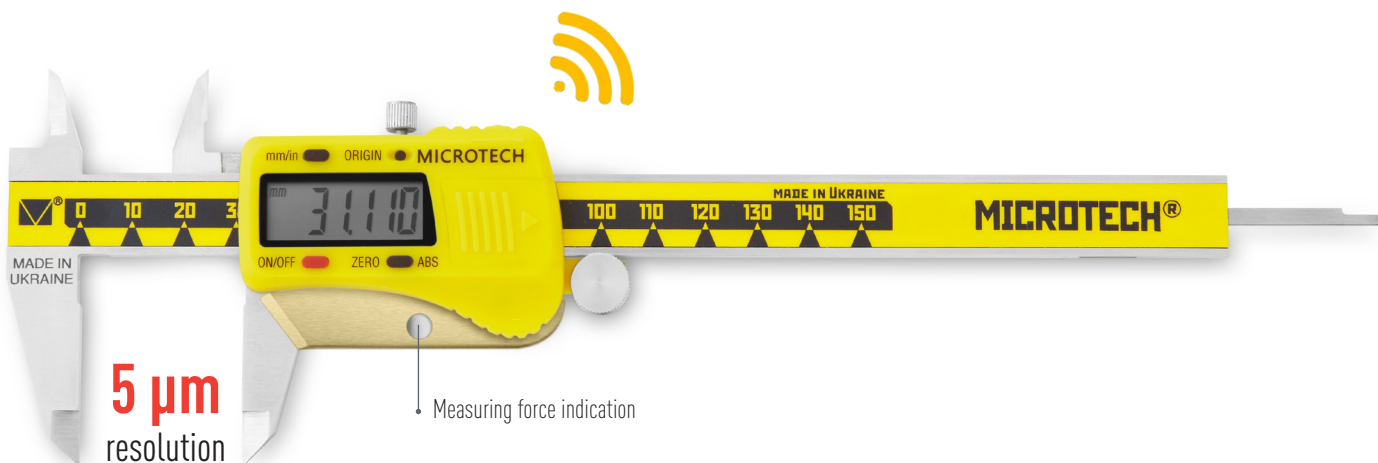
MEASURING  
CONTROL **FORCE**



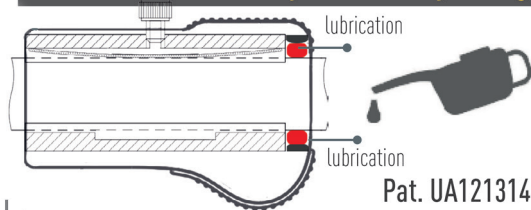
Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**



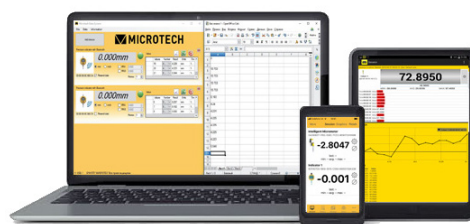
**MICROTECH lubrication system for easy sliding**



**Modification with carbide tips**



Carbide tips on  
Internal & External  
jaws



**INTEGRATED WIRELESS DATA OUTPUT**  
Free versions of Software for Windows, Android, iOS



- Patent US20170322009, UA100613, UA121314 by MICROTECH
- Force control module (8N)
- Accuracy  $\pm 10 \mu\text{m}$  on external jaws (better then DIN 862 requirements)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for **FREE**
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- Modification with high level Swiss electronic with big extra screen. Protection class IP-67 **NEW**
- Modification with carbide tips on intenal/external jaws
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## WIRELESS DIGITAL CALIPER IP-54

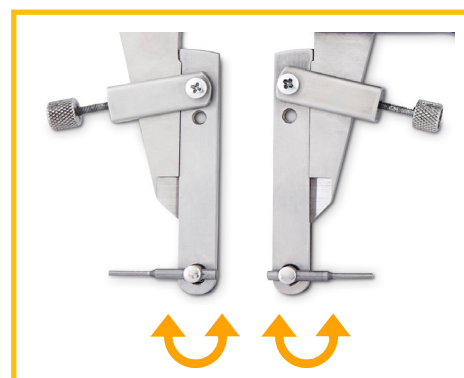
| Item No    | Range | Resolution | Accuracy*   | Jaw      |          | Measuring force | Protection class | Carbide tips | Data output |
|------------|-------|------------|-------------|----------|----------|-----------------|------------------|--------------|-------------|
|            |       |            |             | External | Internal |                 |                  |              |             |
|            | mm    | mm         | mm          | mm       | mm       | N               |                  |              |             |
| 141088192  | 0-150 | 0,005      | $\pm 0,020$ | 40       | 16       | 8               | IP-54            | -            | Wireless    |
| 141088192C | 0-150 | 0,005      | $\pm 0,020$ | 40       | 16       | 8               | IP-54            | +            | Wireless    |
| 141088292  | 0-200 | 0,005      | $\pm 0,020$ | 50       | 20       | 8               | IP-54            | -            | Wireless    |
| 141088292C | 0-200 | 0,005      | $\pm 0,020$ | 50       | 20       | 8               | IP-54            | +            | Wireless    |
| 141088392  | 0-300 | 0,005      | $\pm 0,030$ | 60       | 20       | 8               | IP-54            | -            | Wireless    |
| 141088392C | 0-300 | 0,005      | $\pm 0,030$ | 60       | 20       | 8               | IP-54            | +            | Wireless    |

## WIRELESS DIGITAL CALIPER IP-67

| Item No    | Range | Resolution | Accuracy*   | Jaw      |          | Measuring force | Protection class | Lubrication system | Carbide tips | Data output |
|------------|-------|------------|-------------|----------|----------|-----------------|------------------|--------------------|--------------|-------------|
|            |       |            |             | External | Internal |                 |                  |                    |              |             |
|            | mm    | mm         | mm          | mm       | mm       | N               |                  |                    |              |             |
| 141077192  | 0-150 | 0,01       | $\pm 0,020$ | 40       | 16       | 8               | IP-67            | +                  | -            | Wireless    |
| 141077192C | 0-150 | 0,01       | $\pm 0,020$ | 40       | 16       | 8               | IP-67            | +                  | +            | Wireless    |
| 141077292  | 0-200 | 0,01       | $\pm 0,020$ | 50       | 20       | 8               | IP-67            | +                  | -            | Wireless    |
| 141077292C | 0-200 | 0,01       | $\pm 0,020$ | 50       | 20       | 8               | IP-67            | +                  | +            | Wireless    |
| 141077392  | 0-300 | 0,01       | $\pm 0,030$ | 60       | 20       | 8               | IP-67            | +                  | -            | Wireless    |
| 141077392C | 0-300 | 0,01       | $\pm 0,030$ | 60       | 20       | 8               | IP-67            | +                  | +            | Wireless    |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 140010001 | Universal accessories set (2 sets of anvils)                |
| 140010004 | Universal accessories set (3 sets of anvils)                |
| 140010005 | Universal accessories set (4 sets of anvils)                |
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



\*Accuracy of internal and depth measurings according DIN862



**MICROTECH**

since 1995



www.microtech.ua



ISO 17025



ISO 9001:2015





DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



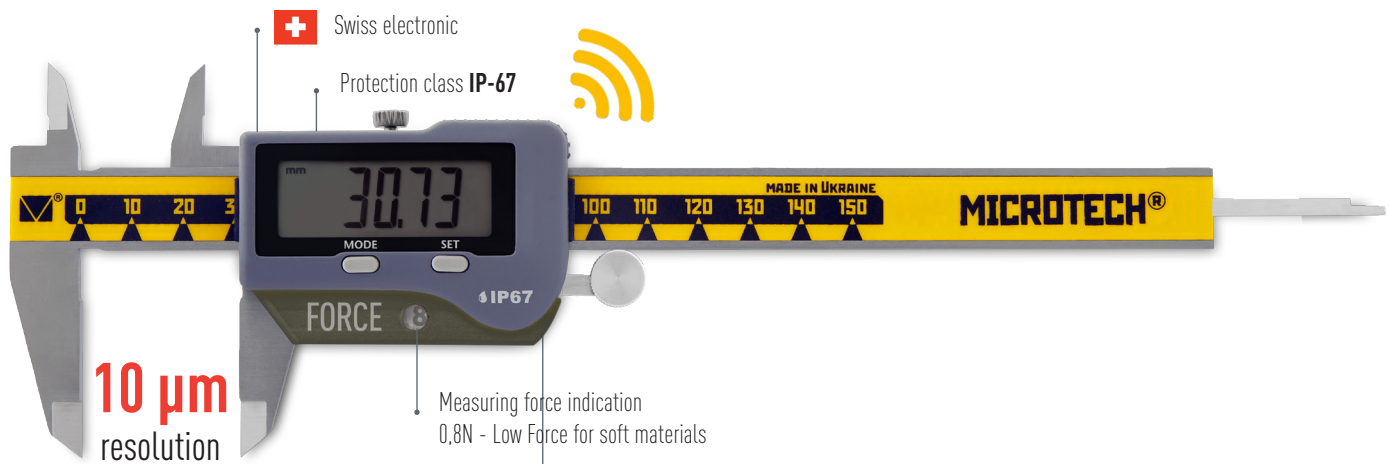
MEASURING CONTROL **FORCE**



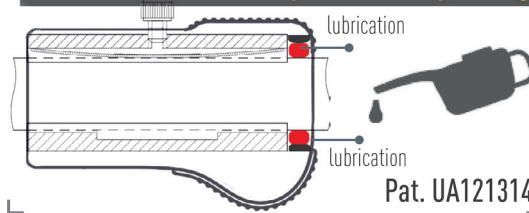
Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**



**MICROTECH lubrication system for easy sliding**



**Modification with carbide tips**



Carbide tips on  
Internal & External  
jaws



**INTEGRATED WIRELESS DATA OUTPUT**

Free versions of Software for Windows, Android, iOS



- Patent US20170322009, UA100613, UA121314 by MICROTECH
- **Low force (0,8N)** version for soft materials
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for **FREE**
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- Modification with High Level Swiss electronic with big screen. Protection class IP-67 **NEW**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

### LOW FORCE CALIPER IP-54

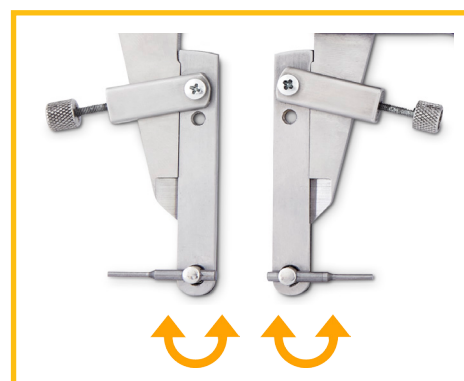
| Item No   | Range | Resolution | Accuracy* | Jaw      |          | Measuring force | Protection class | Data output |
|-----------|-------|------------|-----------|----------|----------|-----------------|------------------|-------------|
|           |       |            |           | External | Internal |                 |                  |             |
|           | mm    | mm         | mm        | mm       | mm       | N               |                  |             |
| 141088153 | 0-150 | 0,005      | ±0,030    | 40       | 16       | 0,8             | IP-54            | RS-232      |
| 141088193 | 0-150 | 0,005      | ±0,030    | 40       | 16       | 0,8             | IP-54            | Wireless    |
| 141088253 | 0-200 | 0,005      | ±0,030    | 50       | 20       | 0,8             | IP-54            | RS-232      |
| 141088293 | 0-200 | 0,005      | ±0,030    | 50       | 20       | 0,8             | IP-54            | Wireless    |
| 141088353 | 0-300 | 0,005      | ±0,040    | 60       | 20       | 0,8             | IP-54            | RS-232      |
| 141088393 | 0-300 | 0,005      | ±0,040    | 60       | 20       | 0,8             | IP-54            | Wireless    |

### LOW FORCE CALIPER IP-67

| Item No   | Range | Resolution | Accuracy* | Jaw      |          | Measuring force | Protection class | Lubrication system | Data output |
|-----------|-------|------------|-----------|----------|----------|-----------------|------------------|--------------------|-------------|
|           |       |            |           | External | Internal |                 |                  |                    |             |
|           | mm    | mm         | mm        | mm       | mm       | N               |                  |                    |             |
| 141077153 | 0-150 | 0,01       | ±0,030    | 40       | 16       | 0,8             | IP-67            | +                  | -           |
| 141077193 | 0-150 | 0,01       | ±0,030    | 40       | 16       | 0,8             | IP-67            | +                  | Wireless    |
| 141077253 | 0-200 | 0,01       | ±0,030    | 50       | 20       | 0,8             | IP-67            | +                  | -           |
| 141077293 | 0-200 | 0,01       | ±0,030    | 50       | 20       | 0,8             | IP-67            | +                  | Wireless    |
| 141077353 | 0-300 | 0,01       | ±0,040    | 60       | 20       | 0,8             | IP-67            | +                  | -           |
| 141077393 | 0-300 | 0,01       | ±0,040    | 60       | 20       | 0,8             | IP-67            | +                  | Wireless    |

## ACCESORIES

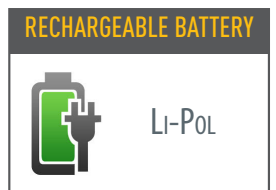
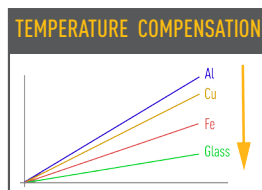
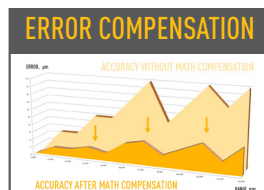
| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 140010001 | Universal accessories set (2 sets of anvils)                |
| 140010004 | Universal accessories set (3 sets of anvils)                |
| 140010005 | Universal accessories set (4 sets of anvils)                |
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



\*Accuracy of internal and depth measurings according DIN862



**INTEGRATED WIRELESS DATA OUTPUT**  
Free versions of Software for Windows, Android, iOS



**FORMULA MODE**  
 $Ax^2+Bx+C$   
**PRESET FUNCTION**

**TOLERANCE FUNCTION**

NoGo Go NoGo

**INTERNAL MEMORY**

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING CONTROL **FORCE**



Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**

- Patent US 10184772, UA99687, UA128692, US126928 by MICROTECH
- 4 types of measurings jaws
- Modification with High level Swiss electronic with big screen. Protection class IP-67 **NEW**
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for **FREE**
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

### UNIVERSAL DIGITAL CALIPER IP54

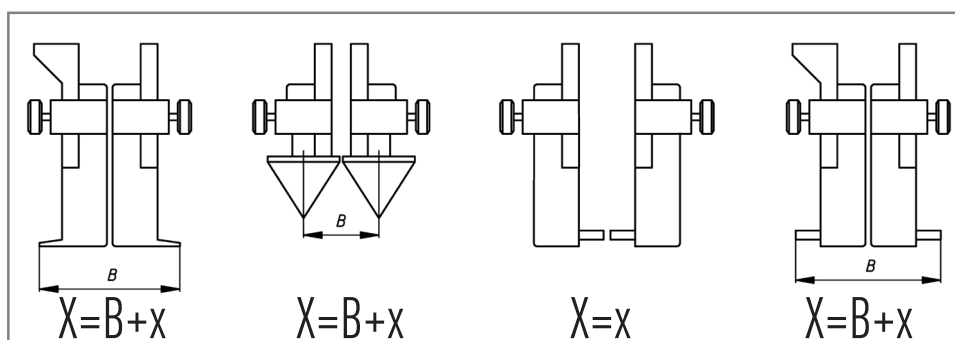
| Item No   | Range | Resolution | Accuracy | B* | Protection class | Self lubrication | Data output |
|-----------|-------|------------|----------|----|------------------|------------------|-------------|
|           | mm    | mm         | mm       | mm |                  |                  |             |
| 141630155 | 0-150 | 0,005      | ±0,030   | 30 | IP54             | -                | RS-232      |
| 141631159 | 0-150 | 0,005      | ±0,030   | 30 | IP54             | -                | Wireless    |
| 141630205 | 0-150 | 0,005      | ±0,030   | 30 | IP54             | -                | RS-232      |
| 141631205 | 0-150 | 0,005      | ±0,030   | 30 | IP54             | -                | Wireless    |
| 141630305 | 0-300 | 0,005      | ±0,030   | 50 | IP54             | -                | RS-232      |
| 141631309 | 0-300 | 0,005      | ±0,030   | 50 | IP54             | -                | Wireless    |

### UNIVERSAL DIGITAL CALIPER IP67

| Item No   | Range | Resolution | Accuracy | B* | Protection class | Self lubrication | Data output |
|-----------|-------|------------|----------|----|------------------|------------------|-------------|
|           | mm    | mm         | mm       | mm |                  |                  |             |
| 141630153 | 0-150 | 0,01       | ±0,030   | 30 | IP67             | +                | -           |
| 141631154 | 0-150 | 0,01       | ±0,030   | 30 | IP67             | +                | Wireless    |
| 141630203 | 0-300 | 0,01       | ±0,030   | 50 | IP67             | +                | -           |
| 141631204 | 0-300 | 0,01       | ±0,030   | 50 | IP67             | +                | Wireless    |
| 141630303 | 0-300 | 0,01       | ±0,030   | 50 | IP67             | +                | -           |
| 141631304 | 0-300 | 0,01       | ±0,030   | 50 | IP67             | +                | Wireless    |

### UNIVERSAL INTELLIGENT COMPUTERIZED CALIPER

| Item No   | Range | Resolution | Accuracy | B* | Protection class | Data output  | Indication       |
|-----------|-------|------------|----------|----|------------------|--------------|------------------|
|           | mm    | mm         | mm       | mm |                  |              |                  |
| 141630157 | 0-150 | 0,005      | ±0,020   | 30 | IP54             | Wireless+USB | 1,5" Touchscreen |
| 141631158 | 0-150 | 0,001      | ±0,020   | 30 | IP65             | Wireless+USB | 1,5" Touchscreen |
| 141630207 | 0-300 | 0,005      | ±0,025   | 50 | IP54             | Wireless+USB | 1,5" Touchscreen |
| 141631208 | 0-300 | 0,001      | ±0,025   | 50 | IP65             | Wireless+USB | 1,5" Touchscreen |
| 141630307 | 0-300 | 0,005      | ±0,025   | 50 | IP54             | Wireless+USB | 1,5" Touchscreen |
| 141631308 | 0-300 | 0,001      | ±0,025   | 50 | IP65             | Wireless+USB | 1,5" Touchscreen |



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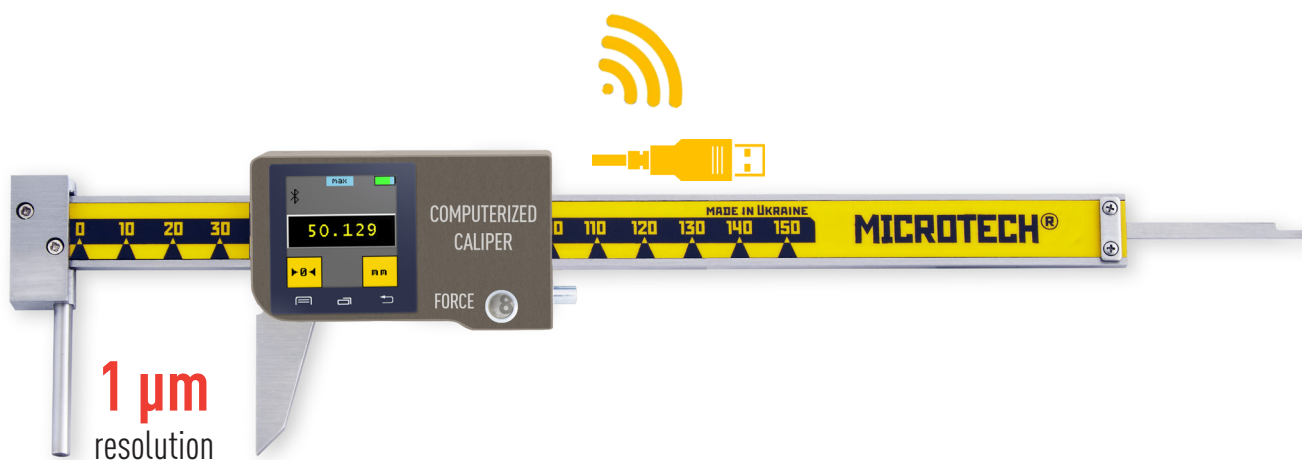
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ISO 17025

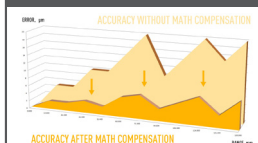


ISO 9001:2015



**INTEGRATED WIRELESS DATA OUTPUT**  
Free versions of Software for Windows, Android, iOS

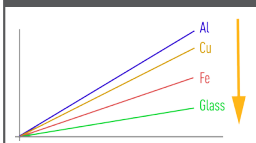
## ERROR COMPENSATION



## FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

## TEMPERATURE COMPENSATION



## TOLERANCE FUNCTION

NoGo Go NoGo

## RECHARGEABLE BATTERY



## INTERNAL MEMORY

100 VALUES





DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING  
CONTROL **FORCE**



Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**

- Patent US 10184772, UA99687, UA128692, US126928 by MICROTECH
- For tube thickness measurements
- Modification with High level Swiss electronic with big screen. Protection class IP-67 **NEW**
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for **FREE**
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## TUBE DIGITAL CALIPER IP54

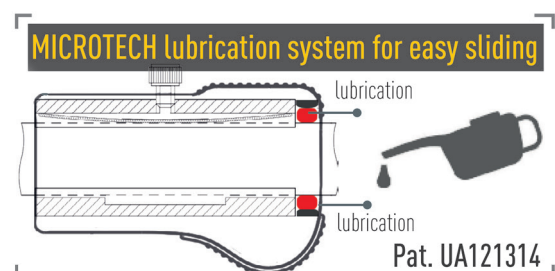
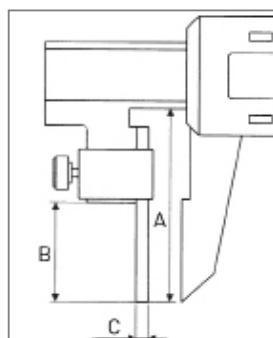
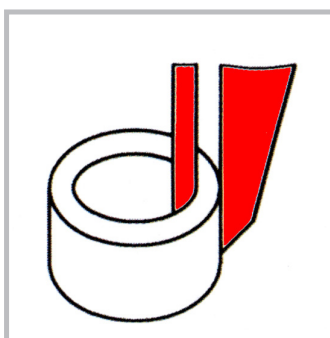
| Item No   | Range | Resolution | Accuracy | Sizes* |    |    | Self lubrication | Waterproof | Data output |
|-----------|-------|------------|----------|--------|----|----|------------------|------------|-------------|
|           |       |            |          | A      | B  | C  |                  |            |             |
|           | mm    | mm         | mm       | mm     | mm | mm |                  |            |             |
| 141230155 | 0-150 | 0,005      | ±0,030   | 46     | 30 | 4  | -                | IP54       | RS-232      |
| 141231159 | 0-150 | 0,005      | ±0,030   | 46     | 30 | 4  | -                | IP54       | Wireless    |
| 141230205 | 0-200 | 0,005      | ±0,030   | 50     | 40 | 4  | -                | IP54       | RS-232      |
| 141230209 | 0-200 | 0,005      | ±0,030   | 50     | 40 | 4  | -                | IP54       | Wireless    |
| 141230305 | 0-300 | 0,005      | ±0,030   | 50     | 40 | 4  | -                | IP54       | RS-232      |
| 141231309 | 0-300 | 0,005      | ±0,030   | 50     | 40 | 4  | -                | IP54       | Wireless    |

## TUBE DIGITAL CALIPER IP67

| Item No   | Range | Resolution | Accuracy | Sizes* |    |    | Self lubrication | Waterproof | Data output |
|-----------|-------|------------|----------|--------|----|----|------------------|------------|-------------|
|           |       |            |          | A      | B  | C  |                  |            |             |
|           | mm    | mm         | mm       | mm     | mm | mm |                  |            |             |
| 141230153 | 0-150 | 0,01       | ±0,030   | 46     | 30 | 4  | +                | IP67       | -           |
| 141231154 | 0-150 | 0,01       | ±0,030   | 46     | 30 | 4  | +                | IP67       | Wireless    |
| 141230203 | 0-200 | 0,01       | ±0,030   | 50     | 40 | 4  | +                | IP67       | -           |
| 141231204 | 0-200 | 0,01       | ±0,030   | 50     | 40 | 4  | +                | IP67       | Wireless    |
| 141230303 | 0-300 | 0,01       | ±0,030   | 50     | 40 | 4  | +                | IP67       | -           |
| 141231304 | 0-300 | 0,01       | ±0,030   | 50     | 40 | 4  | +                | IP67       | Wireless    |

## TUBE INTELLIGENT COMPUTERIZED CALIPER

| Item No   | Range | Resolution | Accuracy | Sizes* |    |    | Waterproof | Data output  | Indication       |
|-----------|-------|------------|----------|--------|----|----|------------|--------------|------------------|
|           |       |            |          | A      | B  | C  |            |              |                  |
|           | mm    | mm         | mm       | mm     | mm | mm |            |              |                  |
| 141230157 | 0-150 | 0,005      | ±0,020   | 46     | 30 | 4  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141231158 | 0-150 | 0,001      | ±0,015   | 46     | 30 | 4  | IP65       | Wireless+USB | 1,5" Touchscreen |
| 141230207 | 0-200 | 0,005      | ±0,025   | 50     | 40 | 4  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141231208 | 0-200 | 0,001      | ±0,020   | 50     | 40 | 4  | IP65       | Wireless+USB | 1,5" Touchscreen |
| 141230307 | 0-300 | 0,005      | ±0,025   | 50     | 40 | 4  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141231308 | 0-300 | 0,001      | ±0,020   | 50     | 40 | 4  | IP65       | Wireless+USB | 1,5" Touchscreen |



**MICROTECH**

since 1995



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ISO 17025



ISO 9001:2015



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

|                                                              |                                     |                                       |
|--------------------------------------------------------------|-------------------------------------|---------------------------------------|
| <b>ERROR COMPENSATION</b><br>                                | <b>TEMPERATURE COMPENSATION</b><br> | <b>RECHARGEABLE BATTERY</b><br>Li-POL |
| <b>FORMULA MODE</b><br>$Ax^2+Bx+C$<br><b>PRESET FUNCTION</b> | <b>TOLERANCE FUNCTION</b><br>       | <b>INTERNAL MEMORY</b><br>100 VALUES  |



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING  
CONTROL **FORCE**



Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**

- Patent US 10184772, UA99687, UA128692, US126928 by MICROTECH
- For external measuring
- Modification with High level Swiss electronic with big screen. Protection class IP67 **NEW**
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for **FREE**
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## OUTSIDE POINT DIGITAL CALIPER IP54

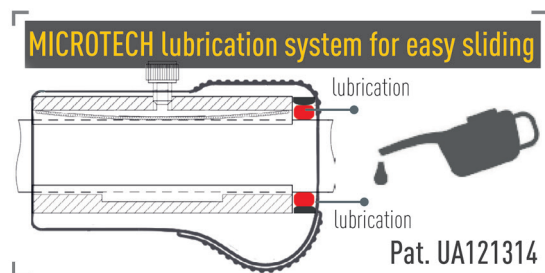
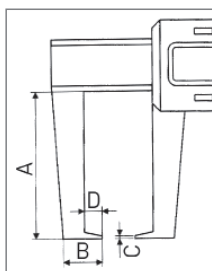
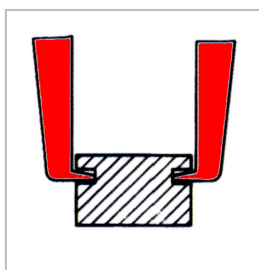
| Item No   | Range | Resolution | Accuracy | Sizes* |    |     |    | Self lubrication | Waterproof | Data output |
|-----------|-------|------------|----------|--------|----|-----|----|------------------|------------|-------------|
|           |       |            |          | A      | B  | C   | D  |                  |            |             |
|           | mm    | mm         | mm       | mm     | mm | mm  | mm |                  |            |             |
| 141430155 | 0-150 | 0,005      | ±0,030   | 25     | 9  | 1   | 5  | -                | IP54       | RS-232      |
| 141431159 | 0-150 | 0,005      | ±0,030   | 25     | 9  | 1   | 5  | -                | IP54       | Wireless    |
| 141430205 | 0-200 | 0,005      | ±0,030   | 25     | 9  | 1.5 | 8  | -                | IP54       | RS-232      |
| 141431209 | 0-200 | 0,005      | ±0,030   | 25     | 9  | 1.5 | 8  | -                | IP54       | Wireless    |
| 141430305 | 0-300 | 0,005      | ±0,030   | 43     | 16 | 1.5 | 8  | -                | IP54       | RS-232      |
| 141431309 | 0-300 | 0,005      | ±0,030   | 43     | 16 | 1.5 | 8  | -                | IP54       | Wireless    |

## OUTSIDE POINT DIGITAL CALIPER IP67

| Item No   | Range | Resolution | Accuracy | Sizes* |    |     |    | Self lubrication | Waterproof | Data output |
|-----------|-------|------------|----------|--------|----|-----|----|------------------|------------|-------------|
|           |       |            |          | A      | B  | C   | D  |                  |            |             |
|           | mm    | mm         | mm       | mm     | mm | mm  | mm |                  |            |             |
| 141430153 | 0-150 | 0,01       | ±0,030   | 25     | 9  | 1   | 5  | +                | IP67       | -           |
| 141431154 | 0-150 | 0,01       | ±0,030   | 25     | 9  | 1   | 5  | +                | IP67       | Wireless    |
| 141430203 | 0-200 | 0,01       | ±0,030   | 25     | 9  | 1.5 | 8  | +                | IP67       | -           |
| 141431204 | 0-200 | 0,01       | ±0,030   | 25     | 9  | 1.5 | 8  | +                | IP67       | Wireless    |
| 141430303 | 0-300 | 0,01       | ±0,030   | 43     | 16 | 1.5 | 8  | +                | IP67       | -           |
| 141431304 | 0-300 | 0,01       | ±0,030   | 43     | 16 | 1.5 | 8  | +                | IP67       | Wireless    |

## OUTSIDE POINT INTELLIGENT COMPUTERIZED CALIPER

| Item No   | Range | Resolution | Accuracy | Sizes* |    |     |    | Waterproof | Data output  | Indication       |
|-----------|-------|------------|----------|--------|----|-----|----|------------|--------------|------------------|
|           |       |            |          | A      | B  | C   | D  |            |              |                  |
|           | mm    | mm         | mm       | mm     | mm | mm  | mm |            |              |                  |
| 141430157 | 0-150 | 0,005      | ±0,020   | 25     | 9  | 1   | 5  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141431158 | 0-150 | 0,001      | ±0,020   | 25     | 9  | 1   | 5  | IP65       | Wireless+USB | 1,5" Touchscreen |
| 141430207 | 0-200 | 0,005      | ±0,025   | 25     | 9  | 1.5 | 8  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141431208 | 0-200 | 0,001      | ±0,025   | 25     | 9  | 1.5 | 8  | IP65       | Wireless+USB | 1,5" Touchscreen |
| 141430307 | 0-300 | 0,005      | ±0,025   | 43     | 16 | 1.5 | 8  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141431308 | 0-300 | 0,001      | ±0,025   | 43     | 16 | 1.5 | 8  | IP65       | Wireless+USB | 1,5" Touchscreen |



**MICROTECH**

since 1995



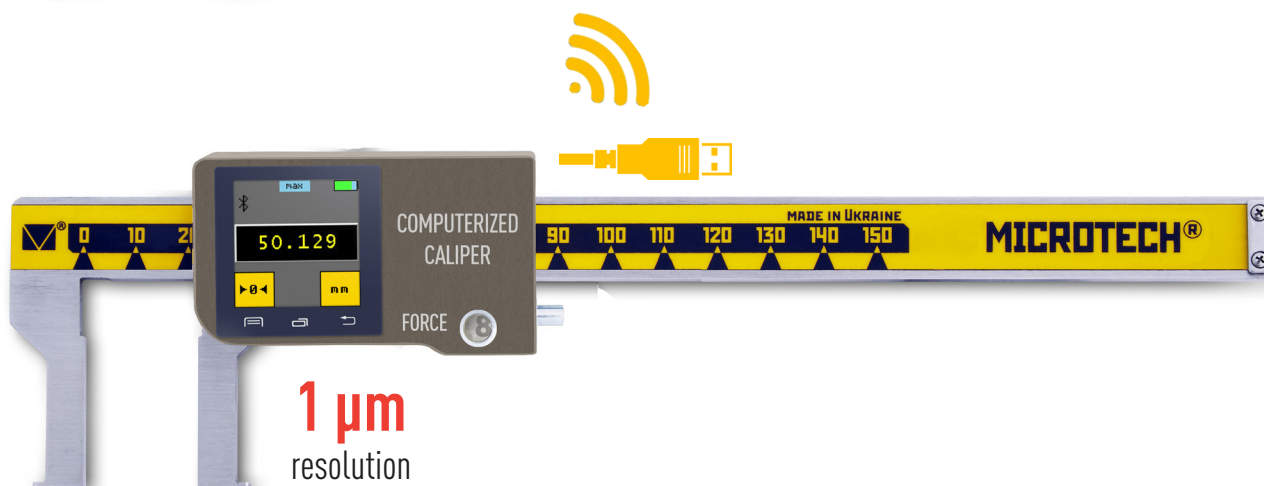
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ISO 17025

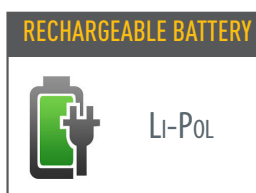
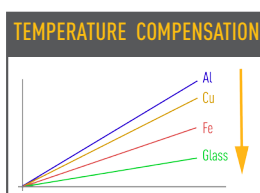
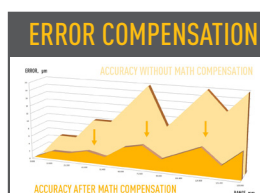


ISO 9001:2015



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



**FORMULA MODE**

$Ax^2+Bx+C$

**PRESET FUNCTION**

**TOLERANCE FUNCTION**

NoGo Go NoGo

**INTERNAL MEMORY**

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING CONTROL **FORCE**



Built-in **WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**

- Patent US 10184772, UA99687, UA128692, US126928 by MICROTECH
- For internal measurements
- Modification with High level Swiss electronic with big screen. Protection class IP-67 **NEW**
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for **FREE**
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## INSIDE POINT DIGITAL CALIPER IP54

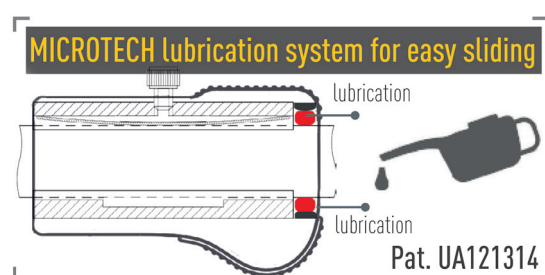
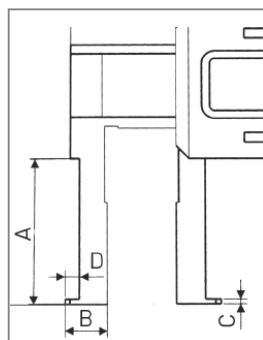
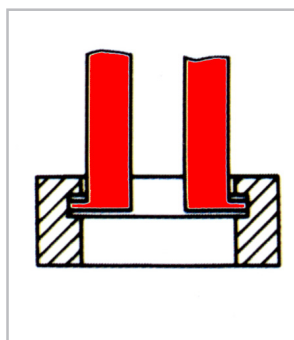
| Item No   | Range  | Resolution | Accuracy | Sizes* |    |     |    | Self lubrication | Waterproof | Data output |
|-----------|--------|------------|----------|--------|----|-----|----|------------------|------------|-------------|
|           |        |            |          | A      | B  | C   | D  |                  |            |             |
|           | mm     | mm         | mm       | mm     | mm | mm  | mm |                  |            |             |
| 141330155 | 20-170 | 0,005      | ±0,030   | 25     | 9  | 1   | 5  | -                | IP54       | RS-232      |
| 141331159 | 20-170 | 0,005      | ±0,030   | 25     | 9  | 1   | 5  | -                | IP54       | Wireless    |
| 141331205 | 20-220 | 0,005      | ±0,030   | 25     | 9  | 1   | 5  | -                | IP54       | RS-232      |
| 141331209 | 20-220 | 0,005      | ±0,030   | 25     | 9  | 1   | 5  | -                | IP54       | Wireless    |
| 141330305 | 30-330 | 0,005      | ±0,030   | 43     | 14 | 1.5 | 5  | -                | IP54       | RS-232      |
| 141331309 | 30-330 | 0,005      | ±0,030   | 43     | 14 | 1.5 | 5  | -                | IP54       | Wireless    |

## INSIDE POINT DIGITAL CALIPER IP67

| Item No   | Range  | Resolution | Accuracy | Sizes* |    |     |    | Self lubrication | Waterproof | Data output |
|-----------|--------|------------|----------|--------|----|-----|----|------------------|------------|-------------|
|           |        |            |          | A      | B  | C   | D  |                  |            |             |
|           | mm     | mm         | mm       | mm     | mm | mm  | mm |                  |            |             |
| 141330153 | 20-170 | 0,01       | ±0,030   | 25     | 9  | 1   | 5  | +                | IP67       | -           |
| 141331154 | 20-170 | 0,01       | ±0,030   | 25     | 9  | 1   | 5  | +                | IP67       | Wireless    |
| 141330203 | 20-220 | 0,01       | ±0,030   | 43     | 14 | 1.5 | 5  | +                | IP67       | -           |
| 141331204 | 20-220 | 0,01       | ±0,030   | 43     | 14 | 1.5 | 5  | +                | IP67       | Wireless    |
| 141330303 | 30-330 | 0,01       | ±0,030   | 43     | 14 | 1.5 | 5  | +                | IP67       | -           |
| 141331304 | 30-330 | 0,01       | ±0,030   | 43     | 14 | 1.5 | 5  | +                | IP67       | Wireless    |

## INSIDE POINT INTELLIGENT COMPUTERIZED CALIPER

| Item No   | Range  | Resolution | Accuracy | Sizes* |    |     |    | Waterproof | Data output  | Indication       |
|-----------|--------|------------|----------|--------|----|-----|----|------------|--------------|------------------|
|           |        |            |          | A      | B  | C   | D  |            |              |                  |
|           | mm     | mm         | mm       | mm     | mm | mm  | mm |            |              |                  |
| 141330157 | 20-170 | 0,005      | ±0,020   | 25     | 9  | 1   | 5  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141331158 | 20-170 | 0,001      | ±0,020   | 25     | 9  | 1   | 5  | IP65       | Wireless+USB | 1,5" Touchscreen |
| 141330207 | 20-220 | 0,005      | ±0,025   | 25     | 9  | 1.5 | 5  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141331208 | 20-220 | 0,001      | ±0,025   | 25     | 9  | 1.5 | 5  | IP65       | Wireless+USB | 1,5" Touchscreen |
| 141330307 | 30-330 | 0,005      | ±0,025   | 43     | 14 | 1.5 | 5  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141331308 | 30-330 | 0,001      | ±0,025   | 44     | 14 | 1.5 | 5  | IP65       | Wireless+USB | 1,5" Touchscreen |



**MICROTECH**

since 1995



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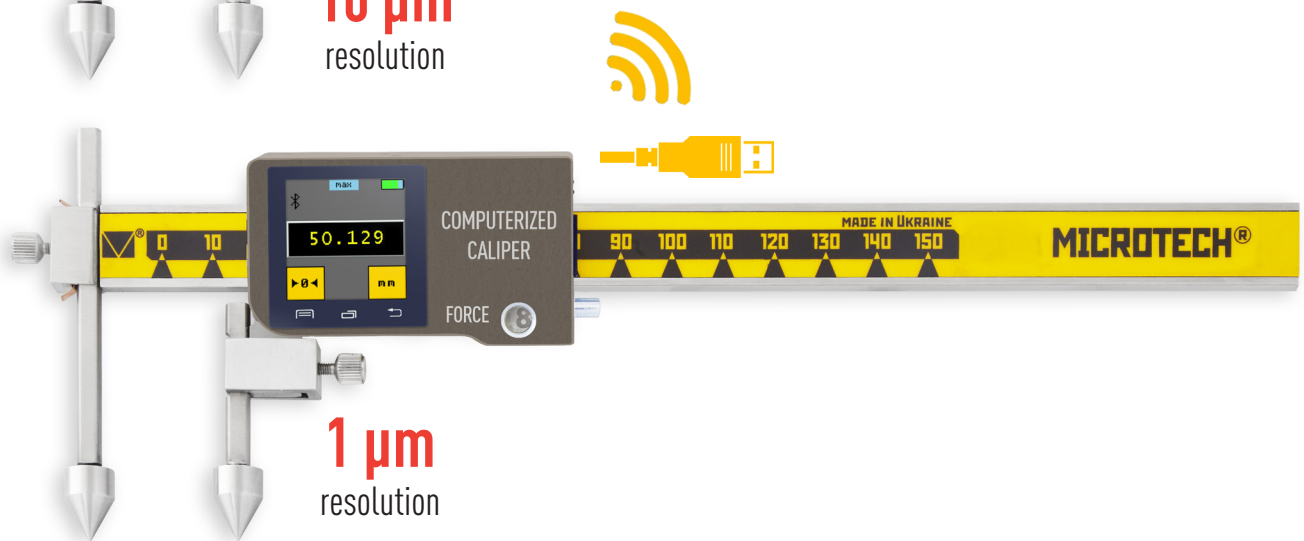


ISO 17025



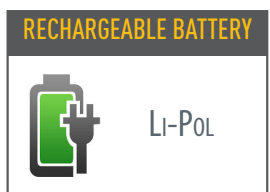
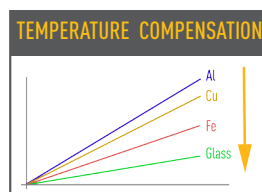
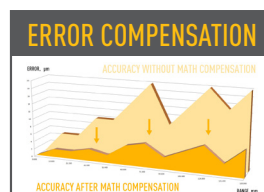
ISO 9001:2015





## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



**FORMULA MODE**

$$Ax^2+Bx+C$$

**PRESET FUNCTION**

**TOLERANCE FUNCTION**

NoGo Go NoGo

**INTERNAL MEMORY**

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING CONTROL **FORCE**



Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**

- Patent US 10184772, UA99687, UA128692, US126928 by MICROTECH
- For hole center distance measurements
- Modification with High level Swiss electronic with big screen. Protection class IP-67 **NEW**
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for **FREE**
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## OFFSET CENTERLINE DIGITAL CALIPER IP54

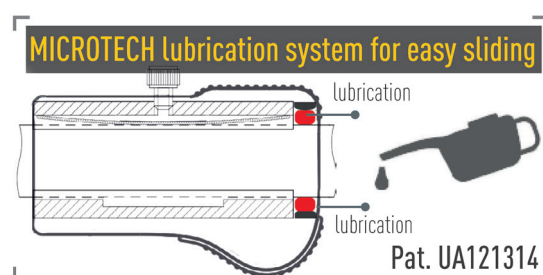
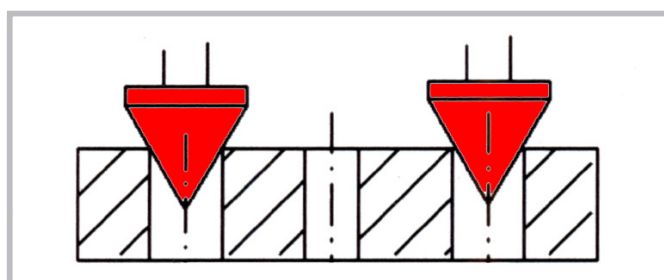
| Item No   | Range  | Resolution | Accuracy | Self lubrication | Waterproof | Data output |
|-----------|--------|------------|----------|------------------|------------|-------------|
|           | mm     | mm         | mm       |                  |            |             |
| 141730155 | 20-170 | 0,005      | ±0,030   | -                | IP54       | RS-232      |
| 141731159 | 20-170 | 0,005      | ±0,030   | -                | IP54       | Wireless    |
| 141731205 | 20-220 | 0,005      | ±0,040   | -                | IP54       | RS-232      |
| 141731209 | 20-220 | 0,005      | ±0,050   | -                | IP54       | Wireless    |
| 141730305 | 30-330 | 0,005      | ±0,060   | -                | IP54       | RS-232      |
| 141731309 | 30-330 | 0,005      | ±0,060   | -                | IP54       | Wireless    |

## OFFSET CENTERLINE DIGITAL CALIPER IP67

| Item No   | Range  | Resolution | Accuracy | Self lubrication | Waterproof | Data output |
|-----------|--------|------------|----------|------------------|------------|-------------|
|           | mm     | mm         | mm       |                  |            |             |
| 141730153 | 20-170 | 0,01       | ±0,030   | +                | IP67       | -           |
| 141731154 | 20-170 | 0,01       | ±0,030   | +                | IP67       | Wireless    |
| 141730203 | 20-220 | 0,01       | ±0,040   | +                | IP67       | -           |
| 141731204 | 20-220 | 0,01       | ±0,040   | +                | IP67       | Wireless    |
| 141730303 | 30-330 | 0,01       | ±0,060   | +                | IP67       | -           |
| 141731304 | 30-330 | 0,01       | ±0,060   | +                | IP67       | Wireless    |

## OFFSET CENTERLINE COMPUTERIZED CALIPER

| Item No   | Range  | Resolution | Accuracy | Waterproof | Data output  | Indication       |
|-----------|--------|------------|----------|------------|--------------|------------------|
|           | mm     | mm         | mm       |            |              |                  |
| 141330157 | 20-170 | 0,005      | ±0,025   | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141331158 | 20-170 | 0,001      | ±0,025   | IP65       | Wireless+USB | 1,5" Touchscreen |
| 141330207 | 20-220 | 0,005      | ±0,030   | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141331208 | 20-220 | 0,001      | ±0,030   | IP65       | Wireless+USB | 1,5" Touchscreen |
| 141330307 | 30-330 | 0,005      | ±0,040   | IP54       | Wireless+USB | 1,5" Touchscreen |
| 141331308 | 30-330 | 0,001      | ±0,040   | IP65       | Wireless+USB | 1,5" Touchscreen |



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since 1995



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ISO 17025



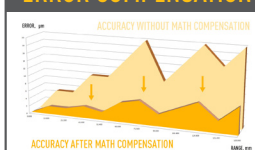
ISO 9001:2015



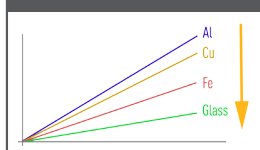
## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

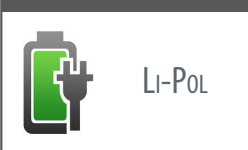
### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION



### INTERNAL MEMORY

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING CONTROL **FORCE**



Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**

- Patent US 10184772, UA99687, UA128692, US126928 by MICROTECH
- For depth measurements
- Modification with High level Swiss electronic with big screen. Protection class IP-67 **NEW**
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for **FREE**
- Modification with self lubrication patented technology (Pat. UA121314 by MICROTECH)
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

### DEPTH CALIPER IP54

| Item No    | Range | Resolution | Accuracy | Base | Waterproof | Data output |
|------------|-------|------------|----------|------|------------|-------------|
|            | mm    | mm         | mm       | mm   |            |             |
| 1432010151 | 0-150 | 0,005      | ±0,03    | 102  | IP-54      | RS-232      |
| 1432010159 | 0-150 | 0,005      | ±0,03    | 102  | IP-54      | Wireless    |
| 1432010201 | 0-200 | 0,005      | ±0,03    | 102  | IP-54      | RS-232      |
| 1432010209 | 0-200 | 0,005      | ±0,03    | 102  | IP-54      | Wireless    |
| 1432010301 | 0-300 | 0,005      | ±0,04    | 102  | IP-54      | RS-232      |
| 1432010309 | 0-300 | 0,005      | ±0,04    | 102  | IP-54      | Wireless    |

### DEPTH CALIPER IP67

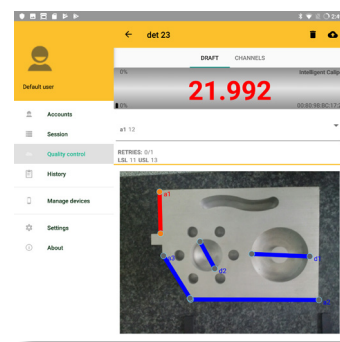
| Item No    | Range | Resolution | Accuracy | Base | Self lubrication | Waterproof   | Data output |
|------------|-------|------------|----------|------|------------------|--------------|-------------|
|            | mm    | mm         | mm       | mm   |                  |              |             |
| 1432010153 | 0-150 | 0,005      | ±0,03    | 102  | +                | <b>IP-67</b> | -           |
| 1432010154 | 0-150 | 0,005      | ±0,03    | 102  | +                | <b>IP-67</b> | Wireless    |
| 1432010203 | 0-200 | 0,005      | ±0,03    | 102  | +                | <b>IP-67</b> | -           |
| 1432010204 | 0-200 | 0,005      | ±0,03    | 102  | +                | <b>IP-67</b> | Wireless    |
| 1432010303 | 0-300 | 0,005      | ±0,04    | 102  | +                | <b>IP-67</b> | -           |
| 1432010304 | 0-300 | 0,005      | ±0,04    | 102  | +                | <b>IP-67</b> | Wireless    |

### INTELLIGENT DEPTH COMPUTERIZED CALIPER

| Item No    | Range | Resolution   | Accuracy | Base | Waterproof | Data output  | Indication       |
|------------|-------|--------------|----------|------|------------|--------------|------------------|
|            | mm    | mm           | mm       | mm   |            |              |                  |
| 1432010157 | 0-150 | 0,005        | ±0,02    | 102  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 1432010158 | 0-150 | <b>0,001</b> | ±0,02    | 102  | IP65       | Wireless+USB | 1,5" Touchscreen |
| 1432010207 | 0-200 | 0,005        | ±0,02    | 102  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 1432010208 | 0-200 | <b>0,001</b> | ±0,02    | 102  | IP65       | Wireless+USB | 1,5" Touchscreen |
| 1432010307 | 0-300 | 0,005        | ±0,03    | 102  | IP54       | Wireless+USB | 1,5" Touchscreen |
| 1432010308 | 0-300 | <b>0,001</b> | ±0,25    | 102  | IP65       | Wireless+USB | 1,5" Touchscreen |
| 1432010508 | 0-500 | <b>0,001</b> | ±0,04    | 150  | IP-65      | Wireless+USB | 1,5" Touchscreen |

### ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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ISO 17025



ISO 9001:2015

ISO 9001:2015

# PRECISION LONG JAW CALIPER



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



MEASURING CONTROL **FORCE**



Built-in  
**WIRELESS**  
data output module



METROLOGICAL CONTROL  
**MICROTECH**

- Patent US10184772, UA99688, UA10398, UA126928, UA112291, UA1162316, UA124020 by MICROTECH
- Modification with Swiss reading system with resolution **1 µm** **NEW**
- Modification with Built in micro computer with colour Touchscreen display 1,5"
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- Modification with USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

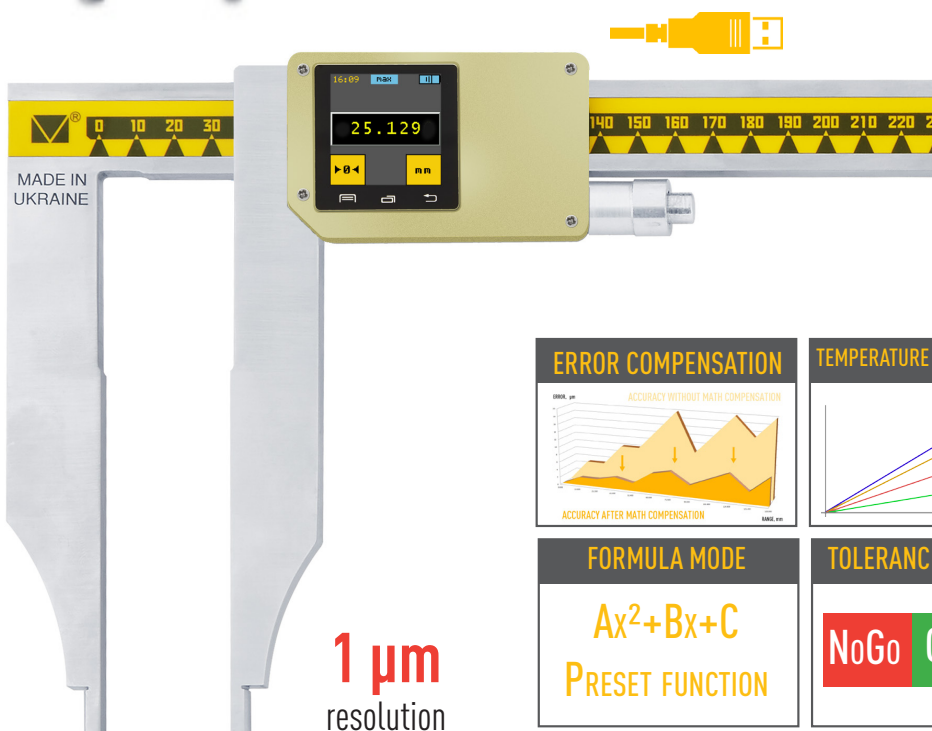


**10 µm**  
resolution



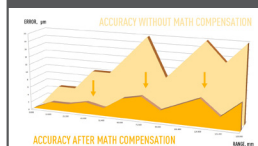
## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



**1 µm**  
resolution

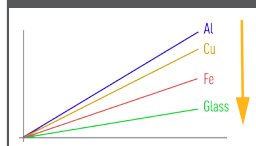
### ERROR COMPENSATION



### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TEMPERATURE COMPENSATION



### TOLERANCE FUNCTION

NoGo Go NoGo

### RECHARGEABLE BATTERY



### INTERNAL MEMORY

100 VALUES





| Item No   | Range  | Resolution | Jaws | Accuracy | Data output |
|-----------|--------|------------|------|----------|-------------|
|           | mm     | mm         | mm   | mm       |             |
| 141105111 | 0-500  | 0,01       | 100  | ±0,050   | RS-232      |
| 141105112 | 0-500  | 0,01       | 100  | ±0,050   | Wireless    |
| 141105121 | 0-500  | 0,01       | 150  | ±0,050   | RS-232      |
| 141105122 | 0-500  | 0,01       | 150  | ±0,050   | Wireless    |
| 141105151 | 0-500  | 0,01       | 300  | ±0,050   | RS-232      |
| 141105152 | 0-500  | 0,01       | 300  | ±0,050   | Wireless    |
| 141110111 | 0-1000 | 0,01       | 150  | ±0,080   | RS-232      |
| 141110112 | 0-1000 | 0,01       | 150  | ±0,080   | Wireless    |
| 141110151 | 0-1000 | 0,01       | 300  | ±0,080   | RS-232      |
| 141110152 | 0-1000 | 0,01       | 300  | ±0,080   | Wireless    |
| 141115111 | 0-1500 | 0,01       | 150  | ±0,080   | RS-232      |
| 141115141 | 0-1500 | 0,01       | 300  | ±0,080   | RS-232      |
| 141120111 | 0-2000 | 0,01       | 150  | ±0,100   | RS-232      |
| 141120151 | 0-2000 | 0,01       | 300  | ±0,100   | RS-232      |

## PRECISION LONG JAW FORCE CALIPER

| Item No   | Range  | Resolution | Jaws | Accuracy | Measuring force | Data output |
|-----------|--------|------------|------|----------|-----------------|-------------|
|           | mm     | mm         | mm   | mm       | N               |             |
| 141005211 | 0-500  | 0,01       | 100  | ±0,030   | 15N             | RS-232      |
| 141005212 | 0-500  | 0,01       | 100  | ±0,030   | 15N             | Wireless    |
| 141005221 | 0-500  | 0,01       | 150  | ±0,030   | 15N             | RS-232      |
| 141005222 | 0-500  | 0,01       | 150  | ±0,030   | 15N             | Wireless    |
| 141005251 | 0-500  | 0,01       | 300  | ±0,030   | 25N             | RS-232      |
| 141005252 | 0-500  | 0,01       | 300  | ±0,030   | 25N             | Wireless    |
| 141010211 | 0-1000 | 0,01       | 150  | ±0,050   | 15N             | RS-232      |
| 141010212 | 0-1000 | 0,01       | 150  | ±0,050   | 15N             | Wireless    |
| 141010251 | 0-1000 | 0,01       | 300  | ±0,050   | 25N             | RS-232      |
| 141010252 | 0-1000 | 0,01       | 300  | ±0,050   | 25N             | Wireless    |
| 141015211 | 0-1500 | 0,01       | 150  | ±0,060   | 15N             | RS-232      |
| 141015251 | 0-1500 | 0,01       | 300  | ±0,060   | 25N             | RS-232      |
| 141020211 | 0-2000 | 0,01       | 150  | ±0,060   | 15N             | RS-232      |
| 141020251 | 0-2000 | 0,01       | 300  | ±0,060   | 25N             | RS-232      |

## MICRON INTELLIGENT LONG JAW COMPUTERIZED CALIPER

| Item No   | Range  | Resolution | Jaws | Accuracy | Measuring force | Data output  |
|-----------|--------|------------|------|----------|-----------------|--------------|
|           | mm     | mm         | mm   | mm       | N               |              |
| 141005217 | 0-500  | 0,001      | 100  | ±0,030   | 15N             | Wireless+USB |
| 141005227 | 0-500  | 0,001      | 150  | ±0,030   | 15N             | Wireless+USB |
| 141005257 | 0-500  | 0,001      | 300  | ±0,030   | 25N             | Wireless+USB |
| 141010217 | 0-1000 | 0,001      | 150  | ±0,050   | 15N             | Wireless+USB |
| 141010257 | 0-1000 | 0,001      | 300  | ±0,050   | 25N             | Wireless+USB |
| 141015217 | 0-1500 | 0,001      | 150  | ±0,060   | 15N             | Wireless+USB |
| 141015257 | 0-1500 | 0,001      | 300  | ±0,060   | 25N             | Wireless+USB |
| 141020217 | 0-2000 | 0,001      | 150  | ±0,060   | 15N             | Wireless+USB |
| 141020257 | 0-2000 | 0,001      | 300  | ±0,060   | 25N             | Wireless+USB |



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



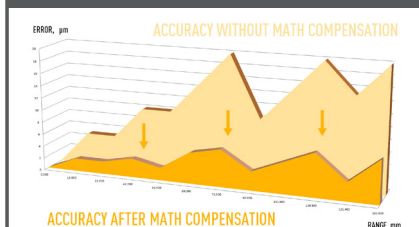
**1  $\mu$ m**  
resolution



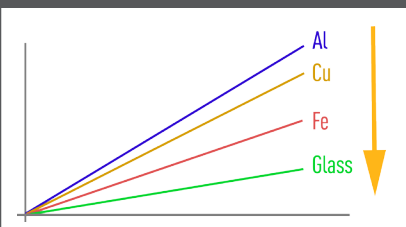
## ROLL SLIDING SYSTEM

- Light aluminium base
- 2x steel roll for easy sliding

## ERROR COMPENSATION



## TEMPERATURE COMPENSATION



## RECHARGEABLE BATTERY



Li-POL

## FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

## TOLERANCE FUNCTION

NoGo Go NoGo

## INTERNAL MEMORY

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



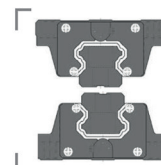
Built-in  
**WIRELESS**  
data output module

- Patent US10184772, UA 99687, UA 103318, UA 104879, UA 112254, UA 121314, UA 122165, UA 126928, UA128692 by MICROTECH
- Hardened extra long jaws or light construction (Aluminium base with roll sliding system)
- 1 micron resolution Swiss reading system
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Integrated Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No   | Range  | Resolution | Jaws | Accuracy | Indication        | Force | Beam section | Weight | Data output  |
|-----------|--------|------------|------|----------|-------------------|-------|--------------|--------|--------------|
|           | mm     | mm         | mm   | mm       |                   | N     | mm           | kg     |              |
| 142305243 | 0-500  | 0,001      | 200  | ±0,020   | 1.5" Touch screen | 15    | 74x25        | 2,7    | Wireless+USB |
| 142305343 | 0-500  | 0,001      | 300  | ±0,025   | 1.5" Touch screen | 15    | 74x25        | 2,9    | Wireless+USB |
| 142305443 | 0-450  | 0,001      | 400  | ±0,030   | 1.5" Touch screen | 15    | 74x25        | 3,3    | Wireless+USB |
| 142311243 | 0-1100 | 0,001      | 200  | ±0,030   | 1.5" Touch screen | 15    | 74x25        | 3,5    | Wireless+USB |
| 142311443 | 0-1050 | 0,001      | 400  | ±0,040   | 1.5" Touch screen | 15    | 74x25        | 3,9    | Wireless+USB |
| 142315243 | 0-1500 | 0,001      | 200  | ±0,040   | 1.5" Touch screen | 15    | 74x25        | 5,2    | Wireless+USB |
| 142315443 | 0-1500 | 0,001      | 400  | ±0,050   | 1.5" Touch screen | 15    | 74x25        | 5,6    | Wireless+USB |
| 142318243 | 0-1800 | 0,001      | 200  | ±0,050   | 1.5" Touch screen | 15    | 74x25        | 6,7    | Wireless+USB |
| 142318443 | 0-1800 | 0,001      | 400  | ±0,070   | 1.5" Touch screen | 15    | 74x25        | 7,1    | Wireless+USB |

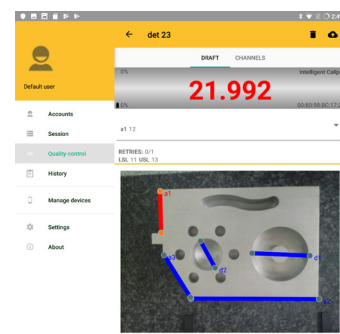


### ROLL SLIDING SYSTEM

- Light aluminium base
- 2x steel roll for easy sliding

## ACCESORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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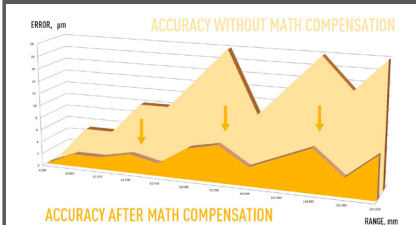
ISO 17025



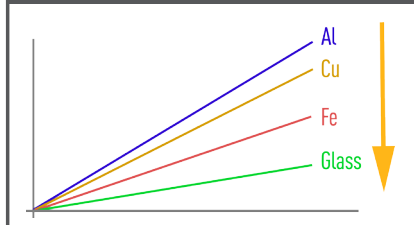
ISO 9001:2015



## ERROR COMPENSATION



## TEMPERATURE COMPENSATION



## RECHARGEABLE BATTERY



LI-POl

## FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

## TOLERANCE FUNCTION

NoGo Go NoGo

## INTERNAL MEMORY

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

- Patent US10184772, UA 99687, UA 103318, UA 104879, UA 112254, UA 121314, UA 122165, UA 126928, UA128692 by MICROTECH
- Hardened extra long jaws or light construction (Aluminium base with roll sliding system)
- 1 micron resolution Swiss reading system
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Integrated Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## MICRON LONG JAW COMPUTERIZED CALIPER

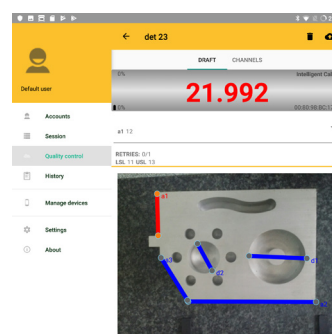
| Item No   | Range  | Resolution | Jaws | Accuracy | Indication        | Beam section | Weight | Data output  |
|-----------|--------|------------|------|----------|-------------------|--------------|--------|--------------|
|           | mm     | mm         | mm   | mm       |                   | mm           | kg     |              |
| 142115132 | 0-1500 | 0,001      | 300  | ±0,040   | 1.5" Touch screen | 80x25        | 8,7    | Wireless+USB |
| 142120132 | 0-2000 | 0,001      | 300  | ±0,060   | 1.5" Touch screen | 80x25        | 10,5   | Wireless+USB |
| 142125132 | 0-2500 | 0,001      | 300  | ±0,090   | 1.5" Touch screen | 80x25        | 13,3   | Wireless+USB |
| 142130132 | 0-3000 | 0,001      | 300  | ±0,100   | 1.5" Touch screen | 80x25        | 15,4   | Wireless+USB |
| 142135132 | 0-3500 | 0,001      | 300  | ±0,120   | 1.5" Touch screen | 80x25        | 17,4   | Wireless+USB |

## MICRON EXTRA - LONG JAW COMPUTERIZED CALIPER

| Item No   | Range  | Resolution | Jaws | Accuracy | Indication        | Beam section | Weight | Data output  |
|-----------|--------|------------|------|----------|-------------------|--------------|--------|--------------|
|           | mm     | mm         | mm   | mm       |                   | mm           | kg     |              |
| 142115152 | 0-1500 | 0,001      | 500  | ±0,065   | 1.5" Touch screen | 110x40       | 19     | Wireless+USB |
| 142115182 | 0-1500 | 0,001      | 800  | ±0,085   | 1.5" Touch screen | 110x40       | 20     | Wireless+USB |
| 142120152 | 0-2000 | 0,001      | 500  | ±0,085   | 1.5" Touch screen | 110x40       | 23     | Wireless+USB |
| 142120102 | 0-2000 | 0,001      | 1000 | ±0,120   | 1.5" Touch screen | 110x40       | 26     | Wireless+USB |
| 142130152 | 0-3000 | 0,001      | 500  | ±0,110   | 1.5" Touch screen | 110x40       | 28     | Wireless+USB |
| 142130102 | 0-3000 | 0,001      | 1000 | ±0,160   | 1.5" Touch screen | 110x40       | 32     | Wireless+USB |
| 142135152 | 0-3500 | 0,001      | 500  | ±0,160   | 1.5" Touch screen | 110x40       | 33     | Wireless+USB |
| 142135102 | 0-3500 | 0,001      | 1000 | ±0,240   | 1.5" Touch screen | 110x40       | 37     | Wireless+USB |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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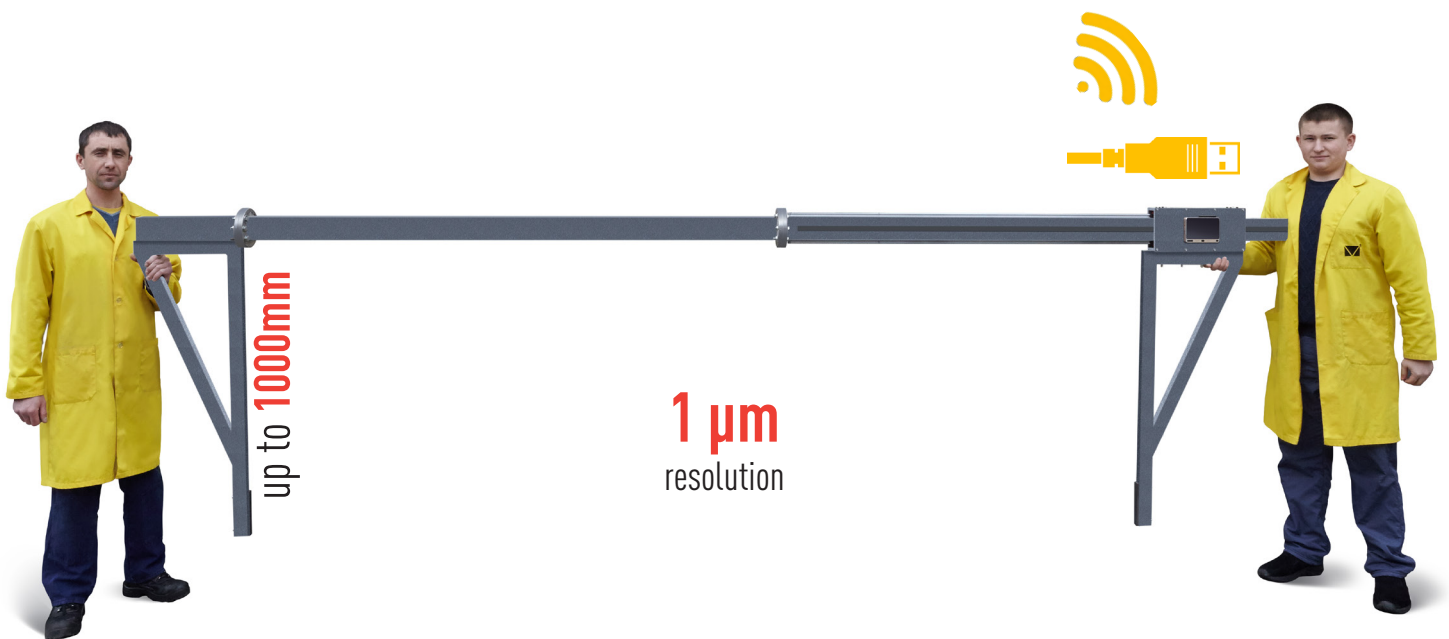
ISO 9001:2015



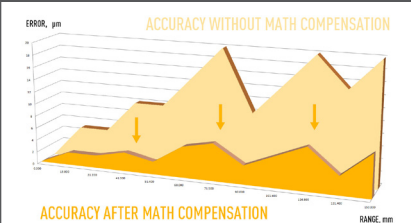


## INTEGRATED WIRELESS DATA OUTPUT

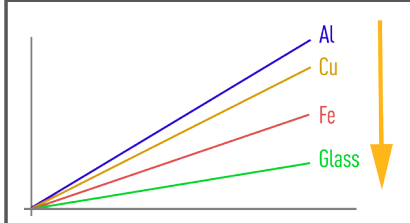
Free versions of Software for Windows, Android, iOS



## ERROR COMPENSATION



## TEMPERATURE COMPENSATION



## RECHARGEABLE BATTERY



LI-POl

## FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

## TOLERANCE FUNCTION

NoGo Go NoGo

## INTERNAL MEMORY

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



**Industry 4.0**  
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Built-in  
**WIRELESS**  
data output module

- Patent US10184772, UA103318, UA110139, UA112254, UA111194, UA117732, UA104870, UA126928, UA128692 by MICROTECH
- Measuring range up to 10 meters
- Modular design (Measuring part (2000mm) + adding 2000mm modules gives possibility measure up to 10000 mm range)
- 1 micron resolution Swiss reading system
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Integrated Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

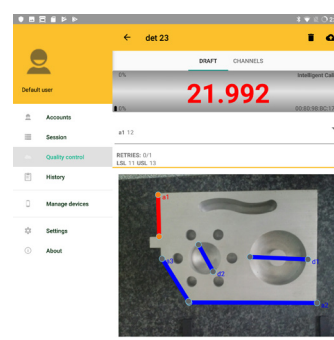
## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No   | Total Range | Measuring Range | Jaws | Accuracy | Weight | Extra Module | Math compensation | Temp. compensation |
|-----------|-------------|-----------------|------|----------|--------|--------------|-------------------|--------------------|
|           | mm          | mm              | mm   | mm       | kg     | pcs          |                   |                    |
| 141095043 | 0-4000      | 2000+           | 400  | ±0,18    | 29     | 1            | +                 | +                  |
| 141095046 | 0-4000      | 2000+           | 600  | ±0,20    | 29,5   | 1            | +                 | +                  |
| 141095049 | 0-4000      | 2000+           | 1000 | ±0,26    | 31     | 1            | +                 | +                  |
| 141095063 | 0-6000      | 2000+           | 400  | ±0,21    | 35,5   | 2            | +                 | +                  |
| 141095066 | 0-6000      | 2000+           | 600  | ±0,23    | 36     | 2            | +                 | +                  |
| 141095069 | 0-6000      | 2000+           | 1000 | ±0,29    | 37,5   | 2            | +                 | +                  |
| 141095083 | 0-8000      | 2000+           | 400  | ±0,25    | 42     | 3            | +                 | +                  |
| 141095086 | 0-8000      | 2000+           | 600  | ±0,27    | 42,5   | 3            | +                 | +                  |
| 141095089 | 0-8000      | 2000+           | 1000 | ±0,33    | 44     | 3            | +                 | +                  |
| 141095103 | 0-10000     | 2000+           | 400  | ±0,30    | 49,5   | 4            | +                 | +                  |
| 141095106 | 0-10000     | 2000+           | 600  | ±0,32    | 50     | 4            | +                 | +                  |
| 141095109 | 0-10000     | 2000+           | 1000 | ±0,38    | 51,5   | 4            | +                 | +                  |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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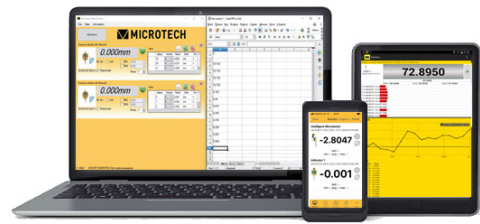
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ISO 17025



ISO 9001:2015

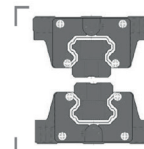


## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



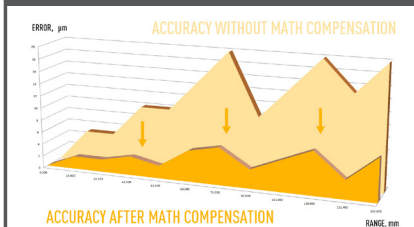
**1  $\mu$ m**  
resolution



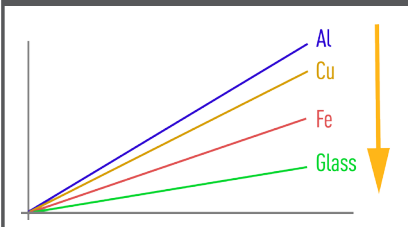
## ROLL SLIDING SYSTEM

- Light aluminium base
- 2x steel roll for easy sliding

## ERROR COMPENSATION



## TEMPERATURE COMPENSATION



## RECHARGEABLE BATTERY



LI-POL

## FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

## TOLERANCE FUNCTION

NoGo Go NoGo

## INTERNAL MEMORY

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

- Patent US10184772, UA 99687, UA 103318, UA 112254, UA 121314, UA 122165, UA128692 by MICROTECH
- Construction with rolls (Aluminium base with roll sliding system)
- 1 micron resolution
- Swiss reading system
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

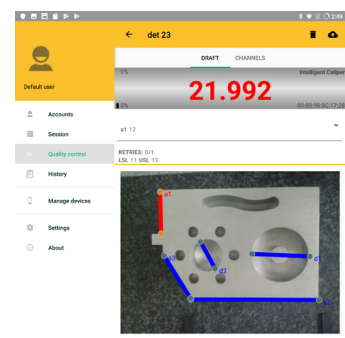
## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No   | Range  | Resolution | Accuracy | Roll guides | Material  | Indication        | Beam section | Weight | Data output  |
|-----------|--------|------------|----------|-------------|-----------|-------------------|--------------|--------|--------------|
|           | mm     | mm         | mm       |             |           |                   | mm           | kg     |              |
| 142502145 | 0-200  | 0,005      | ±0,020   | -           | St.steel  | 1.5" Touch screen | 14x3.5       | 0,25   | Wireless+USB |
| 142502141 | 0-200  | 0,001      | ±0,010   | -           | St.steel  | 1.5" Touch screen | 14x3.5       | 0,28   | Wireless+USB |
| 142503145 | 0-300  | 0,005      | ±0,025   | -           | St.steel  | 1.5" Touch screen | 14x3.5       | 0,35   | Wireless+USB |
| 142503141 | 0-300  | 0,001      | ±0,015   | -           | St.steel  | 1.5" Touch screen | 14x3.5       | 0,35   | Wireless+USB |
| 142505141 | 0-550  | 0,001      | ±0,015   | +           | Aluminium | 1.5" Touch screen | 68x25        | 2,0    | Wireless+USB |
| 142510141 | 0-1150 | 0,001      | ±0,020   | +           | Aluminium | 1.5" Touch screen | 68x25        | 3,2    | Wireless+USB |
| 142515141 | 0-1500 | 0,001      | ±0,025   | +           | Aluminium | 1.5" Touch screen | 68x25        | 4,8    | Wireless+USB |
| 142520141 | 0-2000 | 0,001      | ±0,030   | +           | Aluminium | 1.5" Touch screen | 80x25        | 10,6   | Wireless+USB |
| 142525141 | 0-2500 | 0,001      | ±0,035   | +           | Aluminium | 1.5" Touch screen | 80x25        | 12,8   | Wireless+USB |
| 142530141 | 0-3000 | 0,001      | ±0,040   | +           | Aluminium | 1.5" Touch screen | 80x25        | 15,0   | Wireless+USB |
| 142535141 | 0-3500 | 0,001      | ±0,045   | +           | Aluminium | 1.5" Touch screen | 80x25        | 17,2   | Wireless+USB |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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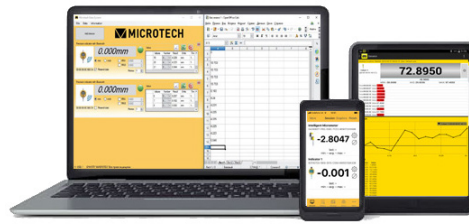


ISO 17025



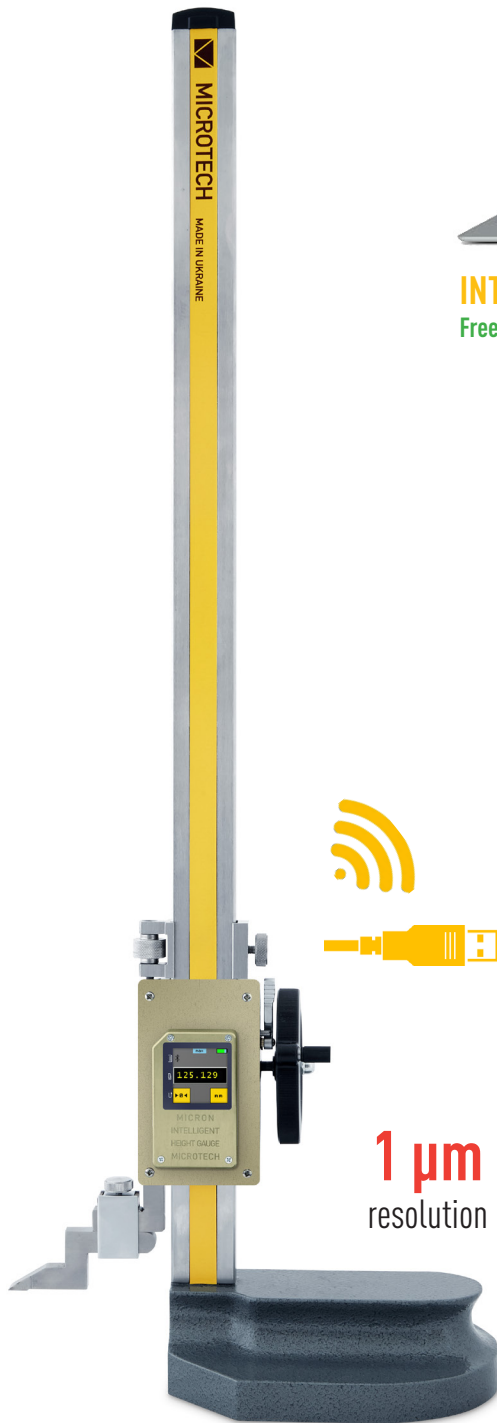
ISO 9001:2015

ISO 9001:2015



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



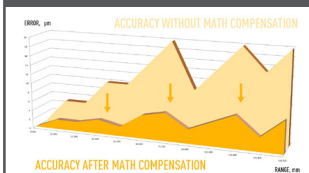
**1  $\mu$ m**  
resolution

Force module  
for quick measurings

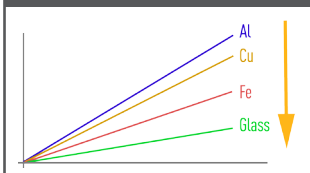


**1  $\mu$ m**  
resolution

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION



### INTERNAL MEMORY

100 VALUES



# INTELLIGENT MICRON COMPUTERIZED HEIGHT GAUGE



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

- Patent US10184772, UA 99687, UA 103318, UA 104879, UA 112254, UA 126928, UA128692 by MICROTECH
- Swiss reading system with resolution 1  $\mu\text{m}$
- Modification with Fine adjustment wheel **NEW**
- Modification with Force control module for quick and precision measuring **NEW**
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## INTELLIGENT MICRON COMPUTERIZED HEIGHT GAUGE WITH FORCE CONTROL

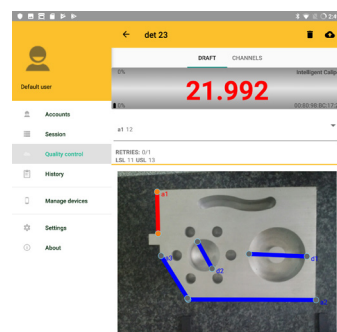
| Item No    | Range  | Resolution | Accuracy    | Force control | Indication        | Internal memory | Math error compensation | Temperature compensation | Data output  |
|------------|--------|------------|-------------|---------------|-------------------|-----------------|-------------------------|--------------------------|--------------|
|            | mm     | mm         | mm          |               |                   | values          |                         |                          |              |
| 1443030241 | 0-300  | 0,005      | $\pm 0,030$ | 12N           | 1.5" Touch screen | 100             | +                       | +                        | Wireless+USB |
| 1443030261 | 0-300  | 0,001      | $\pm 0,020$ | 12N           | 1.5" Touch screen | 100             | +                       | +                        | Wireless+USB |
| 1443050261 | 0-500  | 0,001      | $\pm 0,030$ | 12N           | 1.5" Touch screen | 100             | +                       | +                        | Wireless+USB |
| 1443100261 | 0-1000 | 0,001      | $\pm 0,040$ | 12N           | 1.5" Touch screen | 100             | +                       | +                        | Wireless+USB |

## INTELLIGENT MICRON COMPUTERIZED HEIGHT GAUGE WITH FINE ADJUSTMENT

| Item No    | Range | Resolution | Accuracy    | Fine adjust. wheel | Indication        | Internal memory | Math error compensation | Temperature compensation | Data output  |
|------------|-------|------------|-------------|--------------------|-------------------|-----------------|-------------------------|--------------------------|--------------|
|            | mm    | mm         | mm          |                    |                   | values          |                         |                          |              |
| 1443033263 | 0-300 | 0,005      | $\pm 0,030$ | +                  | 1.5" Touch screen | 100             | +                       | +                        | Wireless+USB |
| 1443030263 | 0-300 | 0,001      | $\pm 0,020$ | +                  | 1.5" Touch screen | 100             | +                       | +                        | Wireless+USB |
| 1443050263 | 0-500 | 0,001      | $\pm 0,030$ | +                  | 1.5" Touch screen | 100             | +                       | +                        | Wireless+USB |
| 1443060263 | 0-600 | 0,001      | $\pm 0,030$ | +                  | 1.5" Touch screen | 100             | +                       | +                        | Wireless+USB |

## ACCESORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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ISO 9001:2015

# TABLET 4.0 MICRON COMPUTERIZED HEIGHT GAUGE

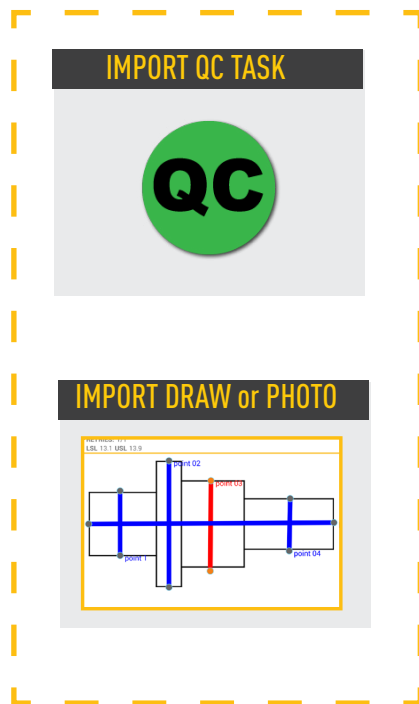
Import data  
from Tablet or PC



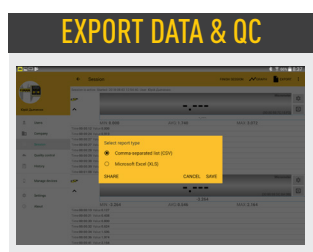
Import data  
from Factory 4.0



Import data  
from Cloud



**1  $\mu$ m**  
resolution



Quality  
Control  
results



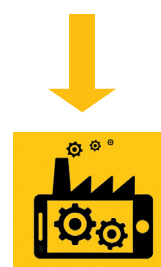
Saving data  
to xls  
formats



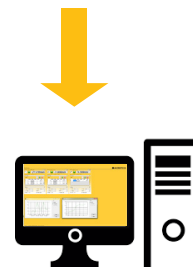
Saving  
Graph



Export data  
to Cloud



Export data  
to Factory 4.0



Export data to  
Tablet or PC

# TABLET 4.0 MICRON COMPUTERIZED HEIGHT GAUGE



DEVELOPING PATENTED BY  
**MICROTECH**



**PRECISION SERIE**



**METROLOGICAL CONTROL  
MICROTECH**



**Industry 4.0  
READY**



Built-in  
**WIRELESS**  
data output module

- Patent US 10184772, UA 99687, UA 131637 by MICROTECH
- Swiss made reading system with resolution 1  $\mu\text{m}$
- Extra-High accuracy up to  $\pm 15\mu\text{m}$  (on 500mm range)
- Built in computer with touch screen
- Quality Control system with possibility import/export tasks, setails drows & photos
- Export measuring results to USC, PC, Tablets, Cloud (Industry 4.0 ready)
- Graphical mode with export possibilities
- Save measurement results in \*.xls or QC files **NEW**
- Voice mode, Graphical mode, Go/ NoGo function (limits) with colour indication
- Multilanguage
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

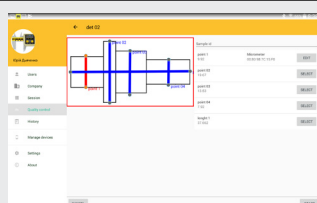
## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No    | Range  | Resolution | Accuracy    | Indication | Quality control | Import draw/photo | Fine adjustment wheel |
|------------|--------|------------|-------------|------------|-----------------|-------------------|-----------------------|
|            | mm     | mm         | mm          |            |                 |                   |                       |
| 1443030291 | 0-300  | 0,001      | $\pm 0,030$ | 5" Colour  | +               | +                 | +                     |
| 1443050291 | 0-500  | 0,001      | $\pm 0,030$ | 5" Colour  | +               | +                 | +                     |
| 1443060291 | 0-600  | 0,001      | $\pm 0,030$ | 5" Colour  | +               | +                 | +                     |
| 1443100281 | 0-1000 | 0,001      | $\pm 0,040$ | 5" Colour  | +               | +                 | -                     |
| 1443150281 | 0-1500 | 0,001      | $\pm 0,050$ | 5" Colour  | +               | +                 | -                     |

## MAIN FUNCTIONS

### PICTURE IMPORTATION



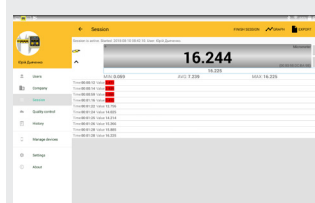
IMPORT JPG PICTURES  
SELECTING MEASURING LINES  
SAVING & EXPORT PROTOCOLS

### COMPUTER w TOUCHSCREEN



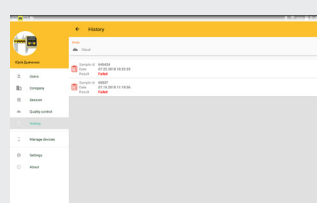
MULTIFUNCTIONAL INTERNAL SOFTWARE  
5" COLOR DISPLAY  
RECHARGEABLE LI-POL BATTERY

### 1 MICRON RESOLUTION



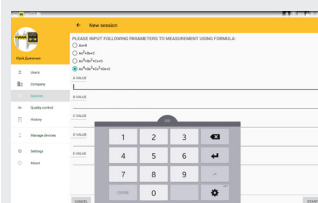
1 MICRON RESOLUTION  
HIGH ACCURACY  
MATH ERROR COMPENSATION

### INTERNAL MEMORY



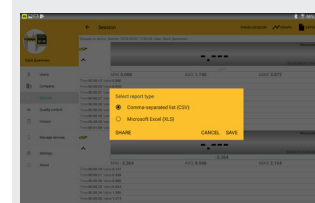
UNLIMITED INTERNAL MEMORY  
SAVING DATA INSIDE DEVICE  
EXPORT TO CLOUD OR OTHER DEVICES

### FORMULA MODE



FLEXIBLE FORMULA MODE  
QUICK RECALCULATION

### EXPORT-IMPORT DATA



SAVE DATA TO XLS, CSV  
EXPORT TO FACTORY NETWORK  
EXPORT TO CLOUD



**MICROTECH**

since 1995



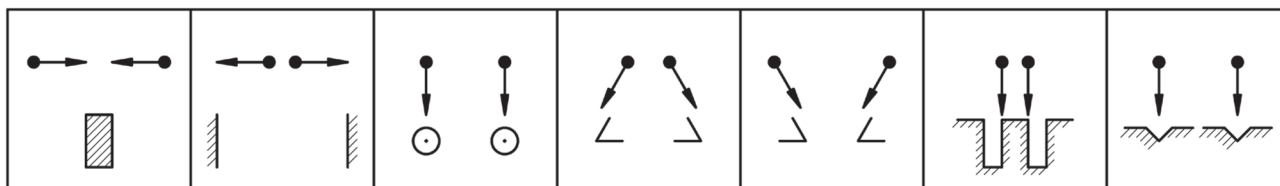
www.microtech.ua



ISO 17025



ISO 9001:2015



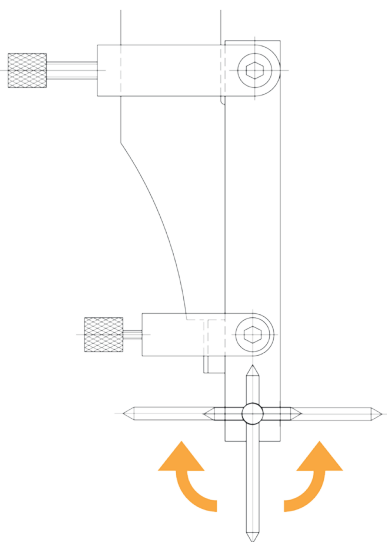
- Universal accessories set for calipers **NEW**
- Fixator set with 2-4 sets
- Anvils can be installed in any positions **NEW**
- Modifications for different types of calipers

## DESCRIPTION

## TECHNICAL SPECIFICATIONS

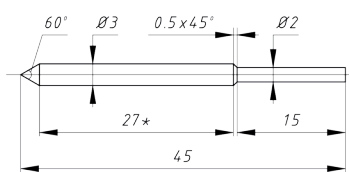
| Item No   | Compatible caliper ranges | Fixator set | D 2 mm pin set<br>carbide | D 3 mm scriber set<br>carbide | D 12mm cone set<br>steel | D 12mm flat set<br>steel |
|-----------|---------------------------|-------------|---------------------------|-------------------------------|--------------------------|--------------------------|
|           | mm                        |             |                           |                               |                          |                          |
| 140010001 | 0-150 0-200 0-300         | +           | +                         | +                             |                          |                          |
| 140010004 | 0-150 0-200 0-300         | +           | +                         | +                             | +                        |                          |
| 140010005 | 0-150 0-200 0-300         | +           | +                         | +                             | +                        | +                        |
| 140030001 | 0-500 Jaw 100mm           | +           | +                         | +                             |                          |                          |
| 140030005 | 0-500 Jaw 100mm           | +           | +                         | +                             | +                        |                          |
| 140030005 | 0-500 Jaw 100mm           | +           | +                         | +                             | +                        | +                        |
| 140031001 | 0-500 Jaw 150mm           | +           | +                         | +                             |                          |                          |
| 140031005 | 0-500 Jaw 150mm           | +           | +                         | +                             | +                        |                          |
| 140031005 | 0-500 Jaw 150mm           | +           | +                         | +                             | +                        | +                        |
| 140032001 | 0-1000 Jaw 150mm          | +           | +                         | +                             |                          |                          |
| 140032005 | 0-1000 Jaw 150mm          | +           | +                         | +                             | +                        |                          |
| 140032005 | 0-1000 Jaw 150mm          | +           | +                         | +                             | +                        | +                        |

### Fixators 2pcs/set

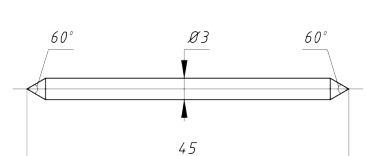


Anvil can be install in any position

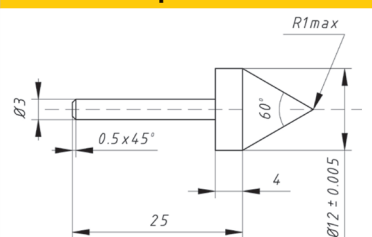
### D 2mm pin anvil (carbide) 2pcs/set



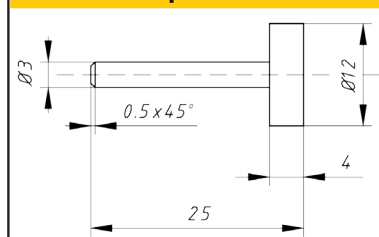
### D 3mm scriber (carbide) 2pcs/set



### D 12mm cone anvil (steel) 2pcs/set



### D 12mm flat anvil (steel) 2pcs/set







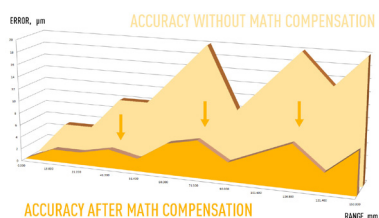
## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

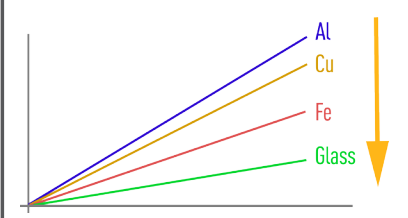
**0,1  $\mu\text{m}$**   
resolution



## ERROR COMPENSATION



## TEMPERATURE COMPENSATION



## RECHARGEABLE BATTERY



LI-POl

## FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

## TOLERANCE FUNCTION

NoGo Go NoGo

## INTERNAL MEMORY

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA99688, UA10398, UA126928, UA112291, UA1162316, UA124020, W02016124992 by MICROTECH
- High accuracy up to  $\pm 1.5\mu\text{m}$  (in 3 times better then DIN 863-1)
- Resolution 0,1  $\mu\text{m}$
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY, PRESET up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

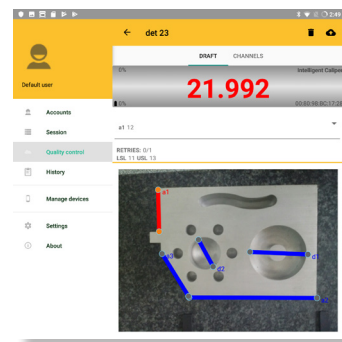
## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No   | Range   | Resolution | Accuracy     | Protection class | Math error compensation | Temperature compensation | Internal memory | Indication                   | Data output    |
|-----------|---------|------------|--------------|------------------|-------------------------|--------------------------|-----------------|------------------------------|----------------|
|           | mm      | mm         | mm           |                  |                         |                          | value           |                              |                |
| 110180258 | 0-25    | 0,0001     | $\pm 0,0015$ | IP-65            | +                       | +                        | 100             | Intelligent Touchscreen 1,5" | Wireless & USB |
| 110180508 | 25-50   | 0,0001     | $\pm 0,0015$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 110180758 | 50-75   | 0,0001     | $\pm 0,0020$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 110181008 | 75-100  | 0,0001     | $\pm 0,0020$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 110181258 | 100-125 | 0,0001     | $\pm 0,0015$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 110181508 | 125-150 | 0,0001     | $\pm 0,0015$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 110181758 | 150-175 | 0,0001     | $\pm 0,0020$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 110182008 | 175-200 | 0,0001     | $\pm 0,0020$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 110182258 | 200-225 | 0,0001     | $\pm 0,0015$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 110182508 | 225-250 | 0,0001     | $\pm 0,0015$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 110182758 | 250-275 | 0,0001     | $\pm 0,0020$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 110183008 | 275-300 | 0,0001     | $\pm 0,0020$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |

## ACCESORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



**MICROTECH**

since 1995



www.microtech.ua



ISO 17025



ISO 9001:2015

# PRECISION DIGITAL MICROMETER



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



Built-in  
**WIRELESS**  
data output module



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



- High accuracy up to  $\pm 2\mu\text{m}$  (in 2 times better then DIN 863-1)
- Ratchet stop or Friction thimble micrometer heads
- IP-54 or IP-65 Waterproof
- Hand finished measuring surfaces and micrometer screw mechanism
- CR2032 (3V) battery
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## PRECISION DIGITAL MICROMETER IP-54

| Item No   | Range  | Resolution | Accuracy    | Protection class | Micrometer screw | Data output |
|-----------|--------|------------|-------------|------------------|------------------|-------------|
|           | mm     | mm         | mm          |                  |                  |             |
| 110180251 | 0-25   | 0,001      | $\pm 0,002$ | IP-54            | Ratchet stop     | RS-232      |
| 110180501 | 25-50  | 0,001      | $\pm 0,002$ | IP-54            | Ratchet stop     | RS-232      |
| 110180751 | 50-75  | 0,001      | $\pm 0,002$ | IP-54            | Ratchet stop     | RS-232      |
| 110181001 | 75-100 | 0,001      | $\pm 0,003$ | IP-54            | Ratchet stop     | RS-232      |

## PRECISION DIGITAL MICROMETER IP-54

| Item No   | Range   | Resolution | Accuracy    | Protection class | Micrometer screw         | Data output |
|-----------|---------|------------|-------------|------------------|--------------------------|-------------|
|           | mm      | mm         | mm          |                  |                          |             |
| 110180253 | 0-25    | 0,001      | $\pm 0,002$ | IP-54            | Ratchet friction thimble | RS-232      |
| 110180503 | 25-50   | 0,001      | $\pm 0,002$ | IP-54            | Ratchet friction thimble | RS-232      |
| 110180753 | 50-75   | 0,001      | $\pm 0,002$ | IP-54            | Ratchet friction thimble | RS-232      |
| 110181003 | 75-100  | 0,001      | $\pm 0,003$ | IP-54            | Ratchet friction thimble | RS-232      |
| 110181253 | 100-125 | 0,001      | $\pm 0,003$ | IP-54            | Ratchet friction thimble | RS-232      |
| 110181503 | 125-150 | 0,001      | $\pm 0,003$ | IP-54            | Ratchet friction thimble | RS-232      |

## PRECISION DIGITAL MICROMETER IP-65

| Item No   | Range   | Resolution | Accuracy    | Protection class | Micrometer screw         | Data output |
|-----------|---------|------------|-------------|------------------|--------------------------|-------------|
|           | mm      | mm         | mm          |                  |                          |             |
| 110180254 | 0-25    | 0,001      | $\pm 0,002$ | IP-65            | Ratchet friction thimble | -           |
| 110180504 | 25-50   | 0,001      | $\pm 0,002$ | IP-65            | Ratchet friction thimble | -           |
| 110180754 | 50-75   | 0,001      | $\pm 0,002$ | IP-65            | Ratchet friction thimble | -           |
| 110181004 | 75-100  | 0,001      | $\pm 0,003$ | IP-65            | Ratchet friction thimble | -           |
| 110181254 | 100-125 | 0,001      | $\pm 0,003$ | IP-65            | Ratchet friction thimble | -           |
| 110181504 | 125-150 | 0,001      | $\pm 0,003$ | IP-65            | Ratchet friction thimble | -           |

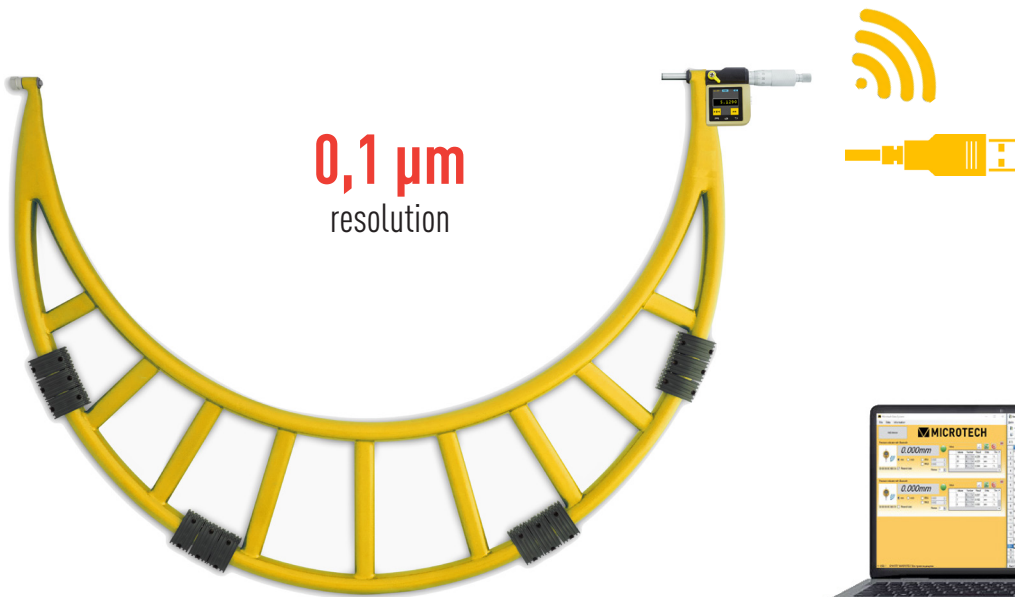
## PRECISION WIRELESS MICROMETER IP-65

| Item No   | Range   | Resolution | Accuracy    | Protection class | Micrometer screw         | Data output |
|-----------|---------|------------|-------------|------------------|--------------------------|-------------|
|           | mm      | mm         | mm          |                  |                          |             |
| 110180256 | 0-25    | 0,001      | $\pm 0,002$ | IP-65            | Ratchet friction thimble | Wireless    |
| 110180506 | 25-50   | 0,001      | $\pm 0,002$ | IP-65            | Ratchet friction thimble | Wireless    |
| 110180756 | 50-75   | 0,001      | $\pm 0,002$ | IP-65            | Ratchet friction thimble | Wireless    |
| 110181006 | 75-100  | 0,001      | $\pm 0,003$ | IP-65            | Ratchet friction thimble | Wireless    |
| 110181256 | 100-125 | 0,001      | $\pm 0,003$ | IP-65            | Ratchet friction thimble | Wireless    |
| 110181506 | 125-150 | 0,001      | $\pm 0,003$ | IP-65            | Ratchet friction thimble | Wireless    |

## ACCESORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |

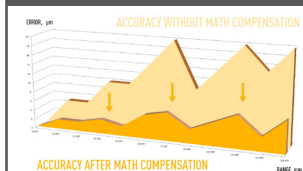


## INTEGRATED WIRELESS DATA OUTPUT

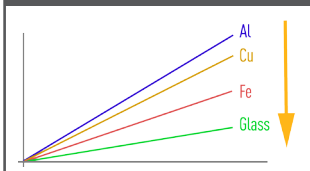
Free versions of Software for Windows, Android, iOS



### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION



### INTERNAL MEMORY

100 VALUES



# WIDE RANGE COMPUTERIZED MICROMETER



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA99688, UA10398, UA126928, UA112291, UA1162316, UA124020, WO2016124992 by MICROTECH
- Modifications with round or rectangle frame with adjustable anvils **NEW**
- High accuracy with resolution 0,1  $\mu$ m
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY, PRESET up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## WIDE RANGE COMPUTERIZED MICROMETER (ROUND FRAME)

| Item No   | Range     | Resolution | Accuracy    | Protection class | Math error compensation | Temperature compensation | Internal memory | Indication          | Data output    |
|-----------|-----------|------------|-------------|------------------|-------------------------|--------------------------|-----------------|---------------------|----------------|
|           | mm        | mm         | mm          |                  |                         |                          | value           |                     |                |
| 110184008 | 300-400   | 0,0001     | $\pm 0,005$ | IP-65            | +                       | +                        | 100             | Touchscreen<br>1,5" | Wireless & USB |
| 110185008 | 400-500   | 0,0001     | $\pm 0,005$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110186008 | 500-600   | 0,0001     | $\pm 0,006$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110187008 | 600-700   | 0,0001     | $\pm 0,007$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110188008 | 700-800   | 0,0001     | $\pm 0,008$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110189008 | 800-900   | 0,0001     | $\pm 0,010$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110181108 | 900-1000  | 0,0001     | $\pm 0,010$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110181208 | 1000-1200 | 0,0001     | $\pm 0,014$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110181408 | 1200-1400 | 0,0001     | $\pm 0,016$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110181608 | 1400-1600 | 0,0001     | $\pm 0,020$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110181808 | 1600-1800 | 0,0001     | $\pm 0,024$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110182108 | 1800-2000 | 0,0001     | $\pm 0,030$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |

## WIDE RANGE COMPUTERIZED MICROMETER (RECTANGLE FRAME)

| Item No   | Range     | Resolution | Accuracy    | Protection class | Math error compensation | Temperature compensation | Internal memory | Indication          | Data output    |
|-----------|-----------|------------|-------------|------------------|-------------------------|--------------------------|-----------------|---------------------|----------------|
|           | mm        | mm         | mm          |                  |                         |                          | value           |                     |                |
| 110184058 | 300-400   | 0,0001     | $\pm 0,005$ | IP-65            | +                       | +                        | 100             | Touchscreen<br>1,5" | Wireless & USB |
| 110185058 | 400-500   | 0,0001     | $\pm 0,005$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110186058 | 500-600   | 0,0001     | $\pm 0,006$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110187058 | 600-700   | 0,0001     | $\pm 0,007$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110188058 | 700-800   | 0,0001     | $\pm 0,008$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110189058 | 800-900   | 0,0001     | $\pm 0,010$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110184058 | 900-1000  | 0,0001     | $\pm 0,010$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110184058 | 1000-1200 | 0,0001     | $\pm 0,014$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110184058 | 1200-1400 | 0,0001     | $\pm 0,016$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110184058 | 1400-1600 | 0,0001     | $\pm 0,020$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110184058 | 1600-1800 | 0,0001     | $\pm 0,024$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |
| 110184058 | 1800-2000 | 0,0001     | $\pm 0,030$ | IP-65            | +                       | +                        | 100             |                     | Wireless & USB |



**MICROTECH**

since 1995



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ISO 17025

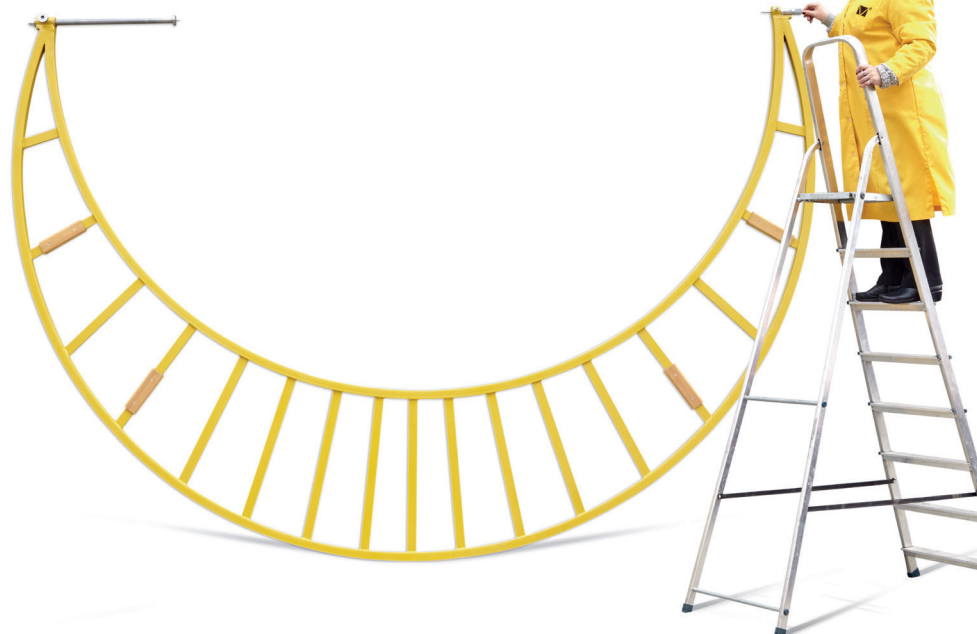


ISO 9001:2015

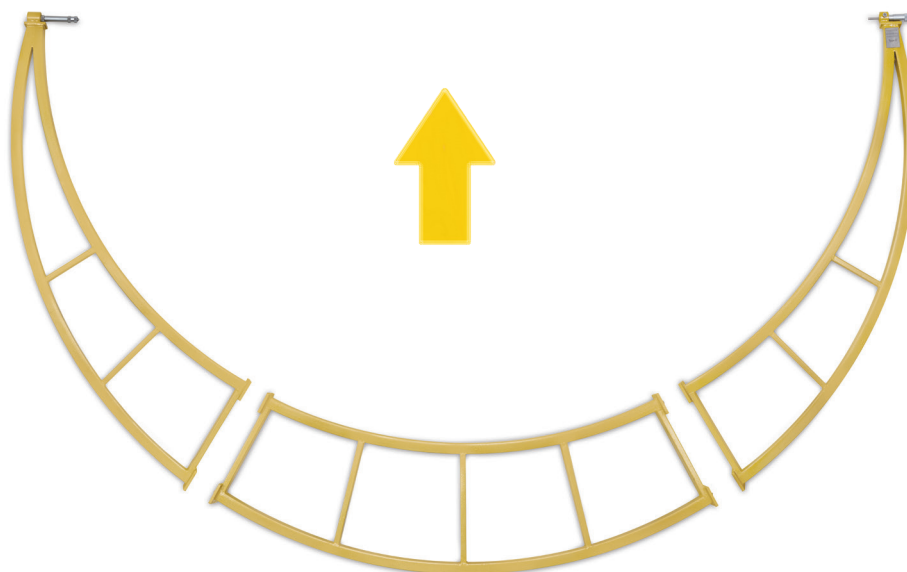


## INTEGRATED WIRELESS DATA OUTPUT

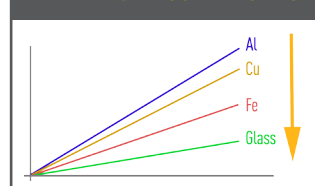
Free versions of Software for Windows, Android, iOS



15 minutes for assembling



### TEMPERATURE COMPENSATION



### TOLERANCE FUNCTION

NoGo Go NoGo

### RECHARGEABLE BATTERY

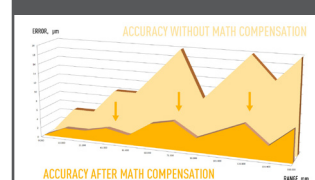


Li-PoL

### INTERNAL MEMORY

100 VALUES

### ERROR COMPENSATION



### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA 99688, UA103981, UA126926, UA108044, UA112291, UA116231, WO2016124992 by MICROTECH
- Extra wide measuring range
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

| Item No   | Range      | Resolution | Accuracy | Modules | Math error compensation | Temperature compensation | Internal memory | Indication          | Data output  |
|-----------|------------|------------|----------|---------|-------------------------|--------------------------|-----------------|---------------------|--------------|
|           | mm         | mm         | mm       |         |                         |                          | value           |                     |              |
| 110160155 | 1000-1500  | 0,0001     | ±0,028   | 2       | +                       | +                        | 100             | Touchscreen<br>1,5" | Wireless+USB |
| 110160205 | 1500-2000  | 0,0001     | ±0,032   | 2       | +                       | +                        | 100             |                     | Wireless+USB |
| 110160305 | 2000-3000  | 0,0001     | ±0,050   | 3       | +                       | +                        | 100             |                     | Wireless+USB |
| 110160405 | 3000-4000  | 0,0001     | ±0,060   | 4       | +                       | +                        | 100             |                     | Wireless+USB |
| 110160505 | 4000-5000  | 0,0001     | ±0,075   | 5       | +                       | +                        | 100             |                     | Wireless+USB |
| 110160605 | 5000-6000  | 0,0001     | ±0,090   | 6       | +                       | +                        | 100             |                     | Wireless+USB |
| 110160705 | 6000-7000  | 0,0001     | ±0,105   | 7       | +                       | +                        | 100             |                     | Wireless+USB |
| 110160805 | 7000-8000  | 0,0001     | ±0,120   | 8       | +                       | +                        | 100             |                     | Wireless+USB |
| 110160905 | 8000-9000  | 0,0001     | ±0,135   | 9       | +                       | +                        | 100             |                     | Wireless+USB |
| 110161005 | 9000-10000 | 0,0001     | ±0,150   | 10      | +                       | +                        | 100             |                     | Wireless+USB |

## ACCESORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



**MICROTECH**

since 1995



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ISO 17025



ISO 9001:2015

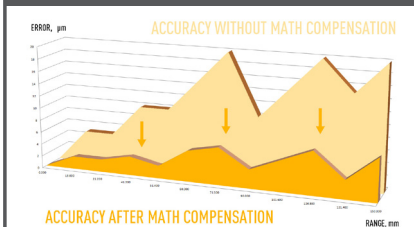


**0,1  $\mu$ m**  
resolution

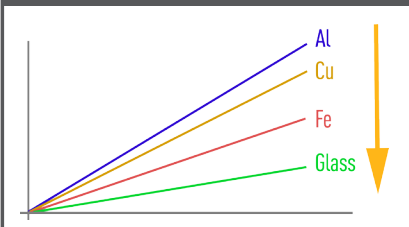


**INTEGRATED WIRELESS DATA OUTPUT**  
Free versions of Software for Windows, Android, iOS

## ERROR COMPENSATION



## TEMPERATURE COMPENSATION



## RECHARGEABLE BATTERY



Li-POL

## FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

## TOLERANCE FUNCTION

NoGo Go NoGo

## INTERNAL MEMORY

100 VALUES

# SMALL TIP (SPLINE) MICROMETER



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA126928, UA124020, WO2016124992 by MICROTECH
- Built-in Wireless data output (optional)
- High accuracy up to  $\pm 3\mu\text{m}$
- Modification with Intelligent electronic module (Touchscreen, memory, Wireless, Go/NogGo)
- Resolution 0,1  $\mu\text{m}$  or 1  $\mu\text{m}$
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- Modification with USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- CR2032 (3V) battery or built in Li-Pol battery (for Intelligent micrometer head)
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## DIGITAL SMALL TIP MICROMETER IP-65

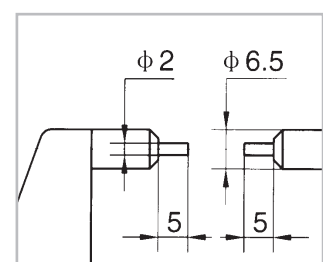
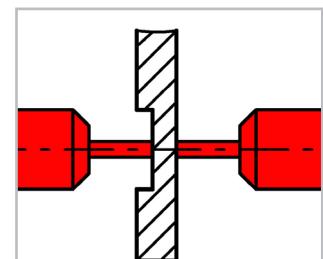
| Item No    | Range  | Resolution | Accuracy    | Protection class | Data output |
|------------|--------|------------|-------------|------------------|-------------|
|            | mm     | mm         | mm          |                  |             |
| 1106500251 | 0-25   | 0,001      | $\pm 0,004$ | IP-65            | RS-232      |
| 1106500501 | 25-50  | 0,001      | $\pm 0,004$ | IP-65            | RS-232      |
| 1106500751 | 50-75  | 0,001      | $\pm 0,005$ | IP-65            | RS-232      |
| 1106501001 | 75-100 | 0,001      | $\pm 0,005$ | IP-65            | RS-232      |

## INTELLIGENT SUB-MICRON SMALL TIP MICROMETER IP-65

| Item No    | Range  | Resolution | Accuracy    | Protection class | Math error compensation | Temperature compensation | Internal memory | Indication          | Data output  |
|------------|--------|------------|-------------|------------------|-------------------------|--------------------------|-----------------|---------------------|--------------|
|            | mm     | mm         | mm          |                  |                         |                          | value           |                     |              |
| 1106500258 | 0-25   | 0,0001     | $\pm 0,003$ | IP-65            | +                       | +                        | 100             | Touchscreen<br>1,5" | USB+Wireless |
| 1106500508 | 25-50  | 0,0001     | $\pm 0,003$ | IP-65            | +                       | +                        | 100             |                     | USB+Wireless |
| 1106500758 | 50-75  | 0,0001     | $\pm 0,004$ | IP-65            | +                       | +                        | 100             |                     | USB+Wireless |
| 1106500108 | 75-100 | 0,0001     | $\pm 0,004$ | IP-65            | +                       | +                        | 100             |                     | USB+Wireless |

## ACCESORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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ISO 9001:2015

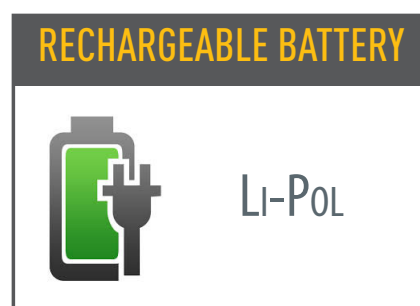
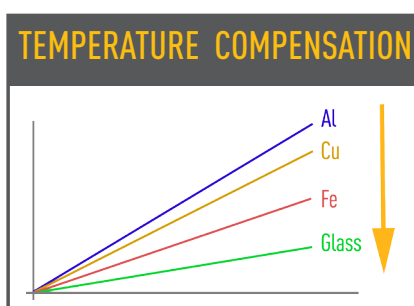
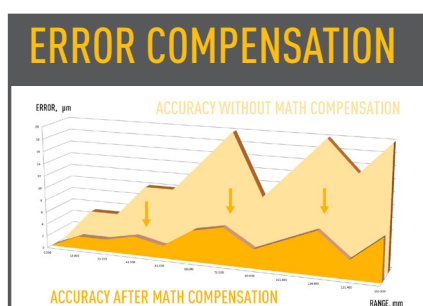




**0,1  $\mu\text{m}$**   
resolution



**INTEGRATED WIRELESS DATA OUTPUT**  
Free versions of Software for Windows, Android, iOS



### FORMULA MODE

$Ax^2+Bx+C$

### PRESET FUNCTION

### TOLERANCE FUNCTION

NoGo Go NoGo

### INTERNAL MEMORY

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA126928, UA124020, WO2016124992 by MICROTECH
- Thickness tube walls measurements
- High accuracy up to  $\pm 3\mu\text{m}$
- Modification with Intelligent electronic module (Touchscreen, memory, Wireless, Go/NogGo)
- Resolution 0,1  $\mu\text{m}$  or 1  $\mu\text{m}$
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- Modification with USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- CR2032 (3V) battery or built in Li-Pol battery (for Intelligent micrometer head)
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## DIGITAL TUBE MICROMETER

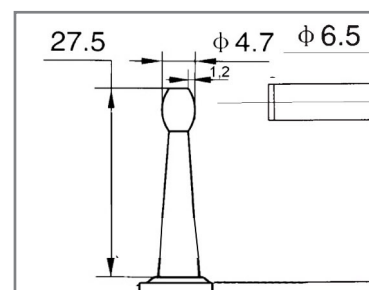
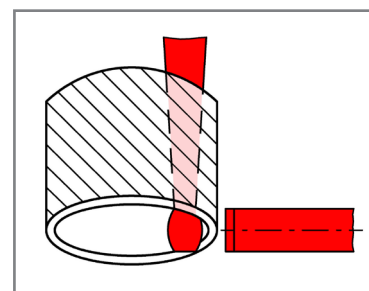
| Item No    | Range  | Resolution | Accuracy    | Proof | Data output |
|------------|--------|------------|-------------|-------|-------------|
|            | mm     | mm         | mm          |       |             |
| 1103500251 | 0-25   | 0,001      | $\pm 0,003$ | IP-65 | RS-232      |
| 1103500501 | 25-50  | 0,001      | $\pm 0,003$ | IP-65 | RS-232      |
| 1103500751 | 50-75  | 0,001      | $\pm 0,003$ | IP-65 | RS-232      |
| 1103501001 | 75-100 | 0,001      | $\pm 0,003$ | IP-65 | RS-232      |

## INTELLIGENT SUB-MICRON TUBE MICROMETER

| Item No    | Range  | Resolution | Accuracy    | Protection class | Math error compensation | Temperature compensation | Internal memory | Indication          | Data output  |
|------------|--------|------------|-------------|------------------|-------------------------|--------------------------|-----------------|---------------------|--------------|
|            | mm     | mm         | mm          |                  |                         |                          | value           |                     |              |
| 1103500258 | 0-25   | 0,0001     | $\pm 0,002$ | IP-65            | +                       | +                        | 100             | Touchscreen<br>1,5" | USB+Wireless |
| 1103500508 | 25-50  | 0,0001     | $\pm 0,002$ | IP-65            | +                       | +                        | 100             |                     | USB+Wireless |
| 1103500758 | 50-75  | 0,0001     | $\pm 0,003$ | IP-65            | +                       | +                        | 100             |                     | USB+Wireless |
| 1103500108 | 75-100 | 0,0001     | $\pm 0,003$ | IP-65            | +                       | +                        | 100             |                     | USB+Wireless |

## ACCESORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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since 1995



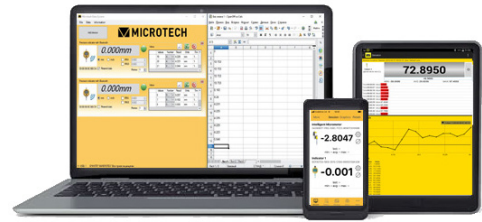
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ISO 17025



ISO 9001:2015



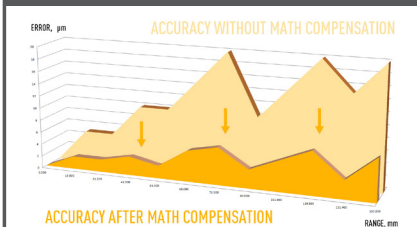
## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

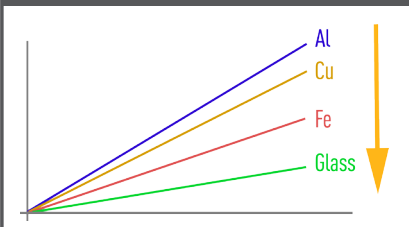


**0,1 μm**  
resolution

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



LI-POL

### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION

NoGo Go NoGo

### INTERNAL MEMORY

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA99688, UA10398, UA126928, UA112291, UA1162316, UA124020, WO2016124992 by MICROTECH
- Quick Go/NoGo control (colour indication)
- Resolution 0,1  $\mu\text{m}$
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY, PRESET up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

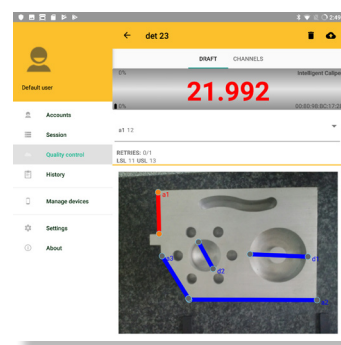
## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No    | Range   | Resolution | Accuracy    | Protection class | Math error compensation | Temperature compensation | Internal memory | Indication                   | Data output    |
|------------|---------|------------|-------------|------------------|-------------------------|--------------------------|-----------------|------------------------------|----------------|
|            | mm      | mm         | mm          |                  |                         |                          | value           |                              |                |
| 1150500507 | 0-50    | 0,0001     | $\pm 0,003$ | IP-65            | +                       | +                        | 100             | Intelligent Touchscreen 1,5" | Wireless & USB |
| 1150501007 | 50-100  | 0,0001     | $\pm 0,004$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 1150501507 | 100-150 | 0,0001     | $\pm 0,004$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |
| 1150502007 | 150-200 | 0,0001     | $\pm 0,004$ | IP-65            | +                       | +                        | 100             |                              | Wireless & USB |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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ISO 17025



ISO 9001:2015

# PRECISION MICROMETER HEAD



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA99688, UA10398, UA126928, UA112291, UA116231, UA124020, WO2016124992 by MICROTECH
- Modification with Intelligent electronic module (Touchscreen, memory, Wireless, Go/NogGo)
- Resolution **0,1**  $\mu\text{m}$  or 1  $\mu\text{m}$
- High accuracy up to  $\pm 1,5$   $\mu\text{m}$
- Data transfer distance up to 6/10 m (Windows/Android)
- SPC software for Windows PC or Android devices for **FREE**
- Standart & Energy saving Wireless modes
- CR2032 (3V) battery or built in Li-Pol battery
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION



### INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



**0,1  $\mu\text{m}$**   
resolution

# PRECISION MICROMETER HEAD

| Item No   | Range | Resolution | Accuracy    | Proof | Indication | Measuring force device   | Data output |
|-----------|-------|------------|-------------|-------|------------|--------------------------|-------------|
|           | mm    | mm         | mm          |       |            |                          |             |
| 110180020 | 0-25  | 0,001      | $\pm 0,002$ | IP-65 | Digital    | Ratchet stop             | RS-232      |
| 110180030 | 0-25  | 0,001      | $\pm 0,002$ | IP-65 | Digital    | Ratchet friction thimble | RS-232      |

# WIRELESS MICROMETER HEAD

| Item No   | Range | Resolution | Accuracy    | Proof | Indication | Measuring force device   | Data output |
|-----------|-------|------------|-------------|-------|------------|--------------------------|-------------|
|           | mm    | mm         | mm          |       |            |                          |             |
| 110180021 | 0-25  | 0,001      | $\pm 0,002$ | IP-65 | Digital    | Ratchet stop             | Wireless    |
| 110180031 | 0-25  | 0,001      | $\pm 0,002$ | IP-65 | Digital    | Ratchet friction thimble | Wireless    |

# INTELLIGENT SUB-MICRON MICROMETER HEAD

| Item No   | Range | Resolution | Accuracy     | Proof | Indication         | Math error compensation | Data output    |
|-----------|-------|------------|--------------|-------|--------------------|-------------------------|----------------|
|           | mm    | mm         | mm           |       |                    |                         |                |
| 110180027 | 0-25  | 0,0001     | $\pm 0,0015$ | IP-65 | Colour Touchscreen | +                       | Wireless & USB |
| 110181057 | 0-50  | 0,0001     | $\pm 0,003$  | IP-65 | Colour Touchscreen | +                       | Wireless & USB |







- Max temperature of sheet metal up to **800°C**
- Upgraded construction by MICROTECH
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION



**CUSTOM RANGES AND CONFIGURATION AVIABLE**

## TECHNICAL SPECIFICATIONS

| Item No   | Range   | Resolution | Accuracy | Max temperature |
|-----------|---------|------------|----------|-----------------|
|           | mm      | mm         | mm       | °C              |
| 113010015 | 0-15    | 0,05       | ±0,15    | 800°            |
| 113010030 | 15-30   | 0,05       | ±0,20    | 800°            |
| 113010045 | 30-45   | 0,05       | ±0,20    | 800°            |
| 113010060 | 45-60   | 0,05       | ±0,20    | 800°            |
| 113010075 | 60-75   | 0,05       | ±0,20    | 800°            |
| 113010090 | 75-90   | 0,05       | ±0,20    | 800°            |
| 113010105 | 90-105  | 0,05       | ±0,20    | 800°            |
| 113010120 | 105-120 | 0,05       | ±0,30    | 800°            |
| 113010135 | 120-135 | 0,05       | ±0,30    | 800°            |
| 113010150 | 135-150 | 0,05       | ±0,40    | 800°            |
| 113010165 | 150-165 | 0,05       | ±0,40    | 800°            |
| 113010180 | 165-180 | 0,05       | ±0,50    | 800°            |
| 113010195 | 180-195 | 0,05       | ±0,50    | 800°            |



# WIRELESS THREE POINT INTERNAL MICROMETER



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

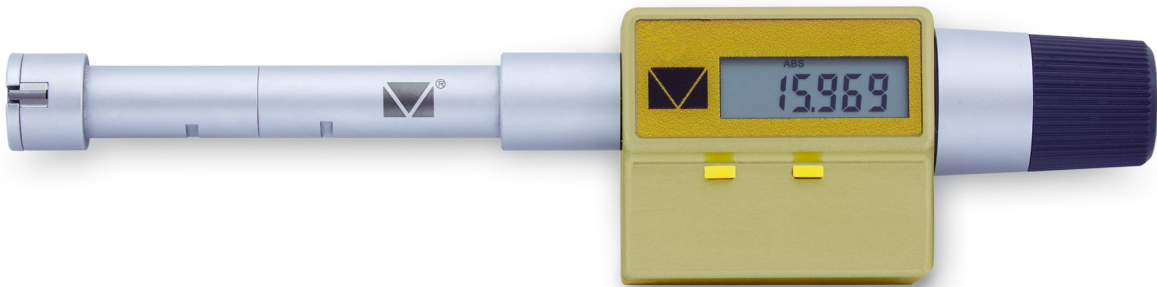


Built-in  
**WIRELESS**  
data output module



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



UP TO **3000MM**

## RECHARGEABLE BATTERY



LI-POL



- Patent UA 114974 by MICROTECH
- Max depth up to 3000mm for Spindle system micrometers **NEW**
- Wireless data transfer to Windows PC, iOS or Android devices
- SPC software for Windows PC or Android devices for **FREE**
- Modifications for customers requirement
- Videocamera for positioning (optional) Pat. UA114974 **NEW**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## WIRELESS THREE POINT INTERNAL MICROMETER

| Item No   | Range    | Resolution | Accuracy    | Max depth | Data output |
|-----------|----------|------------|-------------|-----------|-------------|
|           | mm       | mm         | mm          | mm        |             |
| 133300810 | 6-8      | 0,001      | $\pm 0,004$ | 154       | Wireless    |
| 133301010 | 8-10     | 0,001      | $\pm 0,004$ | 154       | Wireless    |
| 133301210 | 10-12    | 0,001      | $\pm 0,004$ | 154       | Wireless    |
| 133301610 | 12-16    | 0,001      | $\pm 0,004$ | 230       | Wireless    |
| 133302010 | 16-20    | 0,001      | $\pm 0,004$ | 230       | Wireless    |
| 133302510 | 20-25    | 0,001      | $\pm 0,004$ | 240       | Wireless    |
| 133303010 | 25-30    | 0,001      | $\pm 0,004$ | 240       | Wireless    |
| 133304010 | 30-40    | 0,001      | $\pm 0,004$ | 240       | Wireless    |
| 133305010 | 40-50    | 0,001      | $\pm 0,004$ | 240       | Wireless    |
| 133307010 | 50-70    | 0,001      | $\pm 0,005$ | 250       | Wireless    |
| 133310010 | 70-100   | 0,001      | $\pm 0,005$ | 250       | Wireless    |
| 133315010 | 100-150  | 0,001      | $\pm 0,005$ | 250       | Wireless    |
| 133325010 | 150-250  | 0,001      | $\pm 0,006$ | 250       | Wireless    |
| 133330010 | 200-300  | 0,001      | $\pm 0,007$ | 250       | Wireless    |
| 133350010 | 200-500  | 0,001      | $\pm 0,008$ | 650       | Wireless    |
| 133390011 | 200-1000 | 0,001      | $\pm 0,011$ | 1150      | Wireless    |

## EXTRA LONG WIRELESS THREE POINT INTERNAL MICROMETER

| Item No   | Range    | Resolution | Accuracy    | Max depth | Data output | Camera system |
|-----------|----------|------------|-------------|-----------|-------------|---------------|
|           | mm       | mm         | mm          | mm        |             |               |
| 133307021 | 50-70    | 0,001      | $\pm 0,005$ | 1000      | Wireless    | Optional      |
| 133307022 | 50-70    | 0,001      | $\pm 0,007$ | 2000      | Wireless    | Optional      |
| 133307023 | 50-70    | 0,001      | $\pm 0,008$ | 3000      | Wireless    | Optional      |
| 133310021 | 70-100   | 0,001      | $\pm 0,006$ | 1000      | Wireless    | Optional      |
| 133310022 | 70-100   | 0,001      | $\pm 0,008$ | 2000      | Wireless    | Optional      |
| 133310023 | 70-100   | 0,001      | $\pm 0,009$ | 3000      | Wireless    | Optional      |
| 133315021 | 100-150  | 0,001      | $\pm 0,007$ | 1000      | Wireless    | Optional      |
| 133315022 | 100-150  | 0,001      | $\pm 0,008$ | 2000      | Wireless    | Optional      |
| 133315023 | 100-150  | 0,001      | $\pm 0,010$ | 3000      | Wireless    | Optional      |
| 133325021 | 150-250  | 0,001      | $\pm 0,009$ | 1000      | Wireless    | Optional      |
| 133325022 | 150-250  | 0,001      | $\pm 0,011$ | 2000      | Wireless    | Optional      |
| 133325023 | 150-250  | 0,001      | $\pm 0,012$ | 3000      | Wireless    | Optional      |
| 133330021 | 200-300  | 0,001      | $\pm 0,009$ | 1000      | Wireless    | Optional      |
| 133330022 | 200-300  | 0,001      | $\pm 0,011$ | 2000      | Wireless    | Optional      |
| 133330023 | 200-300  | 0,001      | $\pm 0,013$ | 3000      | Wireless    | Optional      |
| 133350021 | 200-500  | 0,001      | $\pm 0,010$ | 1000      | Wireless    | Optional      |
| 133350022 | 200-500  | 0,001      | $\pm 0,012$ | 2000      | Wireless    | Optional      |
| 133350023 | 200-500  | 0,001      | $\pm 0,015$ | 3000      | Wireless    | Optional      |
| 133390022 | 200-1000 | 0,001      | $\pm 0,012$ | 2000      | Wireless    | Optional      |
| 133390023 | 200-1000 | 0,001      | $\pm 0,015$ | 3000      | Wireless    | Optional      |



DEVELOPING PATENTED BY  
**MICROTECH**



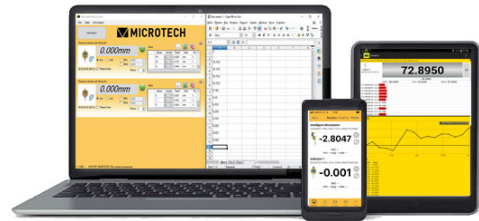
PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



Built-in  
**WIRELESS**  
data output module



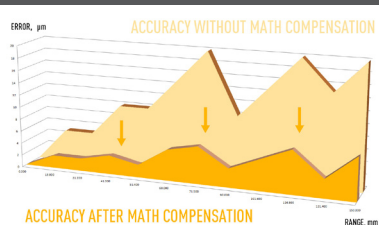
## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

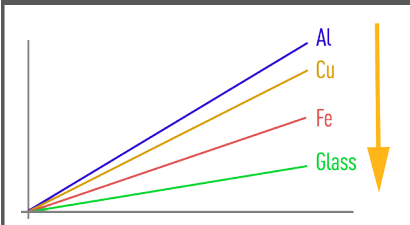


**0,1 µm**  
resolution

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



### FORMULA MODE

**$Ax^2+Bx+C$**   
**PRESET FUNCTION**

### TOLERANCE FUNCTION



### INTERNAL MEMORY

**100** VALUES



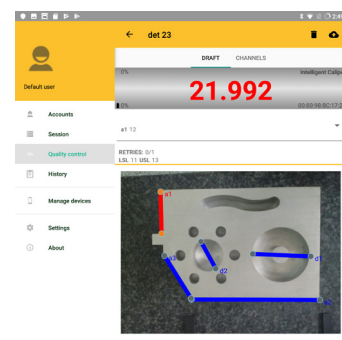
- Quick measuring
- High accuracy up to  $\pm 3\mu\text{m}$
- Resolution  $0,1\ \mu\text{m}$
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range  $0-50^{\circ}\text{C}$  (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY, PRESET up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## TECHNICAL SPECIFICATIONS

| Item No   | Range   | Resolution | Accuracy    | Max depth | Data output  |
|-----------|---------|------------|-------------|-----------|--------------|
|           | mm      | mm         | mm          | mm        |              |
| 133500810 | 6-8     | 0,0001     | $\pm 0,003$ | 50        | Wireless+USB |
| 133501010 | 8-10    | 0,0001     | $\pm 0,003$ | 50        | Wireless+USB |
| 133501210 | 10-12   | 0,0001     | $\pm 0,003$ | 50        | Wireless+USB |
| 133501610 | 12-16   | 0,0001     | $\pm 0,003$ | 65        | Wireless+USB |
| 133502010 | 16-20   | 0,0001     | $\pm 0,003$ | 65        | Wireless+USB |
| 133502510 | 20-25   | 0,0001     | $\pm 0,003$ | 91        | Wireless+USB |
| 135303010 | 25-30   | 0,0001     | $\pm 0,003$ | 91        | Wireless+USB |
| 133504010 | 30-40   | 0,0001     | $\pm 0,003$ | 97        | Wireless+USB |
| 133505010 | 40-50   | 0,0001     | $\pm 0,004$ | 97        | Wireless+USB |
| 133506310 | 50-63   | 0,0001     | $\pm 0,004$ | 112       | Wireless+USB |
| 133507510 | 62-75   | 0,0001     | $\pm 0,004$ | 112       | Wireless+USB |
| 133508810 | 75-88   | 0,0001     | $\pm 0,004$ | 112       | Wireless+USB |
| 133510010 | 87-100  | 0,0001     | $\pm 0,004$ | 112       | Wireless+USB |
| 133512510 | 100-125 | 0,0001     | $\pm 0,004$ | 130       | Wireless+USB |
| 133515010 | 125-150 | 0,0001     | $\pm 0,004$ | 130       | Wireless+USB |
| 133517510 | 150-175 | 0,0001     | $\pm 0,004$ | 130       | Wireless+USB |
| 133520010 | 175-200 | 0,0001     | $\pm 0,004$ | 130       | Wireless+USB |
| 133522510 | 200-225 | 0,0001     | $\pm 0,006$ | 130       | Wireless+USB |
| 133525010 | 225-250 | 0,0001     | $\pm 0,006$ | 130       | Wireless+USB |
| 133527510 | 250-275 | 0,0001     | $\pm 0,006$ | 130       | Wireless+USB |
| 133330010 | 275-300 | 0,0001     | $\pm 0,006$ | 130       | Wireless+USB |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |





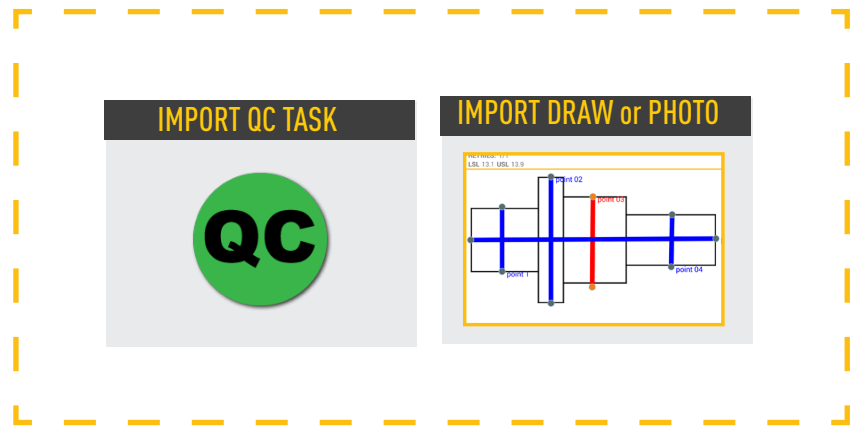
Import data  
from Tablet or PC



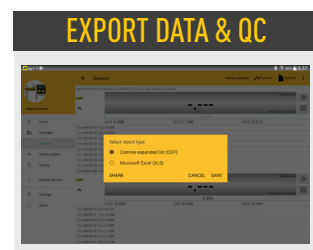
Import data  
from Factory 4.0



Import data  
from Cloud



**1  $\mu$ m**  
resolution



Quality  
Control  
results



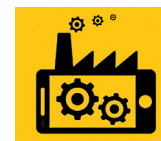
Saving data  
to xls  
formats



Saving  
Graph



Export data  
to Cloud



Export data  
to Factory 4.0



Export data to  
Tablet or PC



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

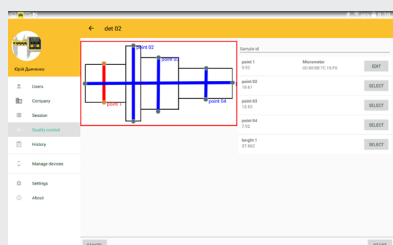
- Patent UA 99686, UA 103982, UA 131637, WO2016124990 by MICROTECH
- Extra-High accuracy up to  $\pm 2\mu\text{m}$
- Built in computer with touch screen
- Quality Control system with possibility import/export tasks, setails drows & photos
- Export measuring results to USC, PC, Tablets, Cloud (Industry 4.0 ready)
- Graphical mode with export possibilities
- Save measurement results in \*.xls or QC files **NEW**
- Voice mode, Graphical mode, Go/ NoGo function (limits) with colour indication
- Multilanguage
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## TECHNICAL SPECIFICATIONS

| Item No   | Range | Resolution | Accuracy    | Indication          | Built in computer | Quality control | Export to cloud |
|-----------|-------|------------|-------------|---------------------|-------------------|-----------------|-----------------|
| 120129132 | 0-12  | 0,001      | $\pm 0,002$ | Colour Touch screen | +                 | +               | option          |
| 120129252 | 0-25  | 0,001      | $\pm 0,002$ | Colour Touch screen | +                 | +               | option          |
| 120129502 | 0-50  | 0,001      | $\pm 0,003$ | Colour Touch screen | +                 | +               | option          |
| 120129902 | 0-100 | 0,001      | $\pm 0,004$ | Colour Touch screen | +                 | +               | option          |

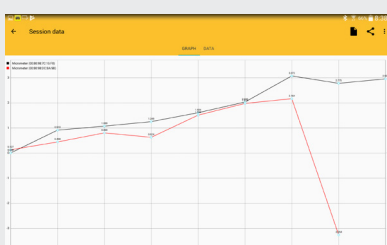
## MAIN FUNCTIONS

### PICTURE IMPORTATION



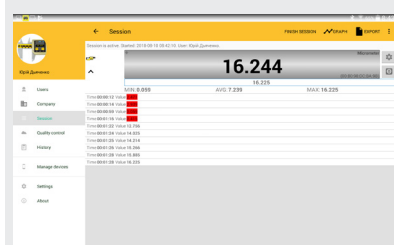
IMPORT JPG PICTURES  
SELECTING MEASURING LINES  
SAVING & EXPORT PROTOCOLS

### COMPUTER w TOUCHSCREEN



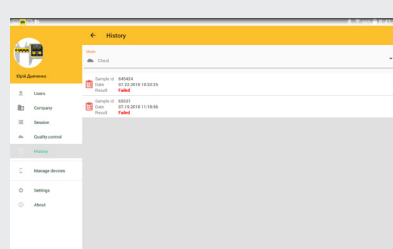
MULTIFUNCTIONAL INTERNAL SOFTWARE  
5' COLOR DISPLAY  
RECHARGEABLE LI-POL BATTERY

### 1 MICRON RESOLUTION



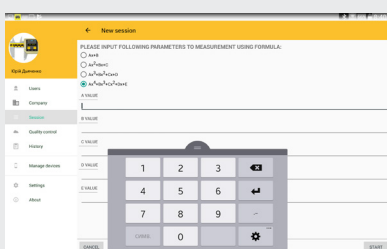
1 MICRON RESOLUTION  
HIGH ACCURACY  
MATH ERROR COMPENSATION

### INTERNAL MEMORY



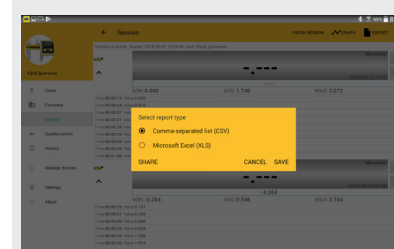
UNLIMITED INTERNAL MEMORY  
SAVING DATA INSIDE DEVICE  
EXPORT TO CLOUD OR OTHER DEVICES

### FORMULA MODE



FLEXIBLE FORMULA MODE  
QUICK RECALCULATION

### EXPORT-IMPORT DATA



SAVE DATA TO XLS, CSV  
EXPORT TO FACTORY NETWORK  
EXPORT TO CLOUD



**MICROTECH**

since 1995



www.microtech.ua



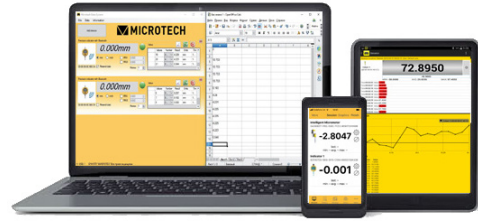
ISO 17025



ISO 9001:2015



**0,1  $\mu\text{m}$**   
resolution



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

### INTERNAL MEMORY

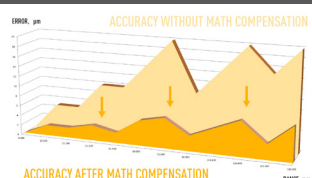
**100 VALUES**

### RECHARGEABLE BATTERY

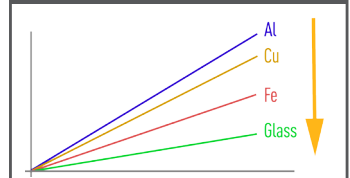


LI-PO<sub>L</sub>

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### FORMULA MODE

**$Ax^2+Bx+C$**   
**PRESET FUNCTION**

### TOLERANCE FUNCTION

**NoGo Go NoGo**



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA99686, UA103982, UA126928, UA131637, W02016124990 by MICROTECH
- High accuracy up to  $\pm 1,7\mu\text{m}$
- Resolution **0,1  $\mu\text{m}$  NEW**
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

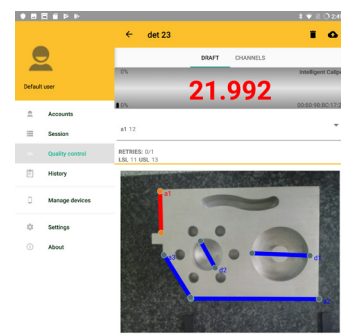
## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No   | Range  | Resolution | Accuracy     | Math error compensation | Temperature compensation | Internal memory | Indication                    | Data output  |
|-----------|--------|------------|--------------|-------------------------|--------------------------|-----------------|-------------------------------|--------------|
|           | mm     | mm         | mm           |                         |                          | value           |                               |              |
| 120129133 | 0-12,5 | 0,0001     | $\pm 0,006$  | +                       | +                        | 100             | Colour<br>Touchscreen<br>1,5" | Wireless+USB |
| 120129135 | 0-12,5 | 0,0001     | $\pm 0,003$  | +                       | +                        | 100             |                               | Wireless+USB |
| 120129137 | 0-12,5 | 0,0001     | $\pm 0,002$  | +                       | +                        | 100             |                               | Wireless+USB |
| 120129138 | 0-12,5 | 0,0001     | $\pm 0,0017$ | +                       | +                        | 100             |                               | Wireless+USB |
| 120129253 | 0-25,4 | 0,0001     | $\pm 0,007$  | +                       | +                        | 100             |                               | Wireless+USB |
| 120129257 | 0-25,4 | 0,0001     | $\pm 0,003$  | +                       | +                        | 100             |                               | Wireless+USB |
| 120129258 | 0-25,4 | 0,0001     | $\pm 0,0020$ | +                       | +                        | 100             |                               | Wireless+USB |
| 120129503 | 0-50,8 | 0,0001     | $\pm 0,010$  | +                       | +                        | 100             |                               | Wireless+USB |
| 120129507 | 0-50,8 | 0,0001     | $\pm 0,004$  | +                       | +                        | 100             |                               | Wireless+USB |
| 120129508 | 0-50,8 | 0,0001     | $\pm 0,0030$ | +                       | +                        | 100             |                               | Wireless+USB |
| 120129907 | 0-100  | 0,0001     | $\pm 0,005$  | +                       | +                        | 100             |                               | Wireless+USB |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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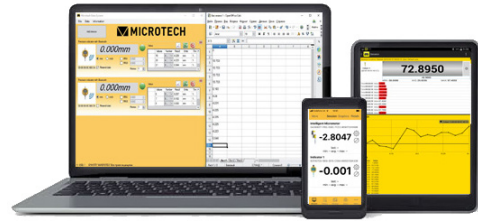
www.microtech.ua



ISO 17025



ISO 9001:2015



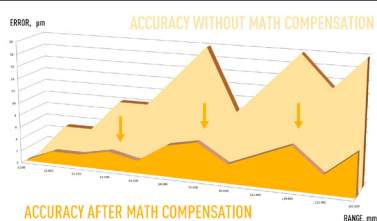
## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

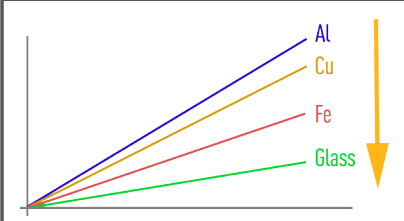


**0,1 μm**  
resolution

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



Li-POL

### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION

NoGo Go NoGo

### INTERNAL MEMORY

100 VALUES





DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA99686, UA103982, UA126928, UA131637, W02016124990 by MICROTECH
- High accuracy up to  $\pm 2\mu\text{m}$
- Cable length up to 10m **NEW**
- Resolution **0,1  $\mu\text{m}$  NEW**
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

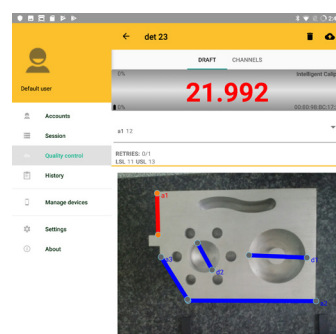
## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No    | Range  | Resolution | Accuracy    | Cable lenght | Math error compensation | Temperature compensation | Internal memory | Indication                    | Data output  |
|------------|--------|------------|-------------|--------------|-------------------------|--------------------------|-----------------|-------------------------------|--------------|
|            | mm     | mm         | mm          | m            |                         |                          | value           |                               |              |
| 120129133L | 0-12,5 | 0,0001     | $\pm 0,006$ | 2            | +                       | +                        | 100             | Colour<br>Touchscreen<br>1,5" | Wireless+USB |
| 120129133U | 0-12,5 | 0,0001     | $\pm 0,006$ | 10           | +                       | +                        | 100             |                               | Wireless+USB |
| 120129135L | 0-12,5 | 0,0001     | $\pm 0,003$ | 2            | +                       | +                        | 100             |                               | Wireless+USB |
| 120129135U | 0-12,5 | 0,0001     | $\pm 0,003$ | 10           | +                       | +                        | 100             |                               | Wireless+USB |
| 120129137L | 0-12,5 | 0,0001     | $\pm 0,002$ | 2            | +                       | +                        | 100             |                               | Wireless+USB |
| 120129137U | 0-12,5 | 0,0001     | $\pm 0,002$ | 10           | +                       | +                        | 100             |                               | Wireless+USB |
| 120129253L | 0-25,4 | 0,0001     | $\pm 0,007$ | 2            | +                       | +                        | 100             |                               | Wireless+USB |
| 120129253U | 0-25,4 | 0,0001     | $\pm 0,007$ | 10           | +                       | +                        | 100             |                               | Wireless+USB |
| 120129257L | 0-25,4 | 0,0001     | $\pm 0,003$ | 2            | +                       | +                        | 100             |                               | Wireless+USB |
| 120129257U | 0-25,4 | 0,0001     | $\pm 0,003$ | 10           | +                       | +                        | 100             |                               | Wireless+USB |
| 120129503L | 0-50,8 | 0,0001     | $\pm 0,010$ | 2            | +                       | +                        | 100             |                               | Wireless+USB |
| 120129503U | 0-50,8 | 0,0001     | $\pm 0,010$ | 10           | +                       | +                        | 100             |                               | Wireless+USB |
| 120129507L | 0-50,8 | 0,0001     | $\pm 0,004$ | 2            | +                       | +                        | 100             |                               | Wireless+USB |
| 120129507U | 0-50,8 | 0,0001     | $\pm 0,004$ | 10           | +                       | +                        | 100             |                               | Wireless+USB |
| 120129907L | 0-100  | 0,0001     | $\pm 0,005$ | 2            | +                       | +                        | 100             |                               | Wireless+USB |
| 120129907U | 0-100  | 0,0001     | $\pm 0,005$ | 10           | +                       | +                        | 100             |                               | Wireless+USB |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



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since 1995



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ISO 17025



ISO 9001:2015

# PRECISION DIGITAL INDICATOR



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



Built-in  
**WIRELESS**  
data output module



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



**1  $\mu$ m**  
resolution



**1  $\mu$ m**  
resolution



- Large display with Digital or Digital-Analog scale
- Integrated Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for FREE
- Al alloy case
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, etc.)
- SPC software for Windows PC or Android devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## PRECISION DIGITAL INDICATOR

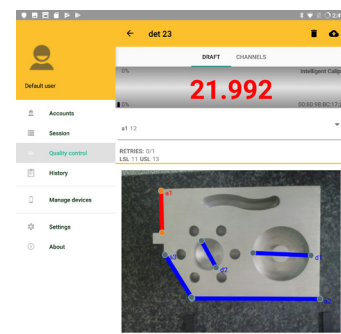
| Item No   | Range  | Resolution | Accuracy | Measuring force | Scale          | Data output |
|-----------|--------|------------|----------|-----------------|----------------|-------------|
|           | mm     | mm         | mm       | N               |                |             |
| 120126131 | 0-13   | 0,01       | ±0,010   | 1,3-2,0         | Digital        | -           |
| 120128132 | 0-13   | 0,001      | ±0,003   | 1,3-2,0         | Digital        | -           |
| 120127132 | 0-13   | 0,001      | ±0,003   | 1,3-2,0         | Digital+Analog | -           |
| 120128133 | 0-13   | 0,001      | ±0,002   | 1,3-2,0         | Digital        | -           |
| 120127133 | 0-13   | 0,001      | ±0,002   | 1,3-2,0         | Digital+Analog | -           |
| 120126251 | 0-25,4 | 0,01       | ±0,010   | 1,3-2,0         | Digital        | -           |
| 120127252 | 0-25,4 | 0,001      | ±0,003   | 1,3-2,0         | Digital+Analog | -           |
| 120126501 | 0-50,8 | 0,01       | ±0,020   | 1,3-2,0         | Digital        | -           |
| 120127502 | 0-50,8 | 0,001      | ±0,005   | 1,3-2,0         | Digital+Analog | -           |
| 120128902 | 0-100  | 0,001      | ±0,006   | 1,3-2,0         | Digital        | -           |

## WIRELESS DIGITAL INDICATOR

| Item No   | Range  | Resolution | Accuracy | Measuring force | Scale          | Data output |
|-----------|--------|------------|----------|-----------------|----------------|-------------|
|           | mm     | mm         | mm       | N               |                |             |
| 120126136 | 0-13   | 0,01       | ±0,010   | 1,3-2,0         | Digital        | Wireless    |
| 120128137 | 0-13   | 0,001      | ±0,003   | 1,3-2,0         | Digital        | Wireless    |
| 120127137 | 0-13   | 0,001      | ±0,003   | 1,3-2,0         | Digital+Analog | Wireless    |
| 120128138 | 0-13   | 0,001      | ±0,002   | 1,3-2,0         | Digital        | Wireless    |
| 120127138 | 0-13   | 0,001      | ±0,002   | 1,3-2,0         | Digital+Analog | Wireless    |
| 120126256 | 0-25,4 | 0,01       | ±0,010   | 1,3-2,0         | Digital        | Wireless    |
| 120127257 | 0-25,4 | 0,001      | ±0,003   | 1,3-2,0         | Digital+Analog | Wireless    |
| 120126506 | 0-50,8 | 0,01       | ±0,020   | 1,3-2,0         | Digital        | Wireless    |
| 120127507 | 0-50,8 | 0,001      | ±0,005   | 1,3-2,0         | Digital+Analog | Wireless    |
| 120128907 | 0-100  | 0,001      | ±0,006   | 1,3-2,0         | Digital        | Wireless    |

## ACCESORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |





**0,1 μm**  
resolution

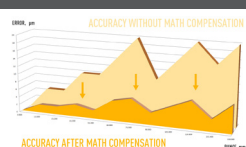


## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



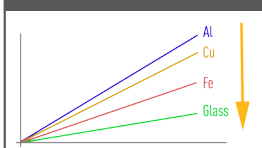
### ERROR COMPENSATION



### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



### TOLERANCE FUNCTION



### INTERNAL MEMORY

100 VALUES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

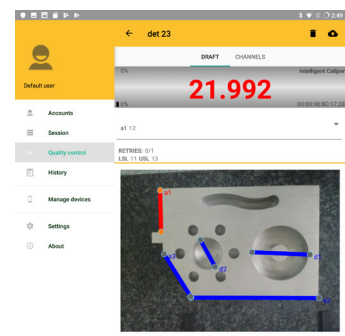
- For using with inductive probes (Pretec, TESA, Sylvac) **NEW**
- Resolution 0,1 µm
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Integrated Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## TECHNICAL SPECIFICATIONS

| Item No   | Probes*   | Probes inputs | Resolution    | Internal temperature probe | Built in battery | Internal memory | Indication              | Data output  |
|-----------|-----------|---------------|---------------|----------------------------|------------------|-----------------|-------------------------|--------------|
|           |           |               | mm            |                            |                  |                 |                         |              |
| 120001001 | inductive | 1             | <b>0,0001</b> | +                          | -                | -               | -                       | USB          |
| 120001004 | inductive | 1             | <b>0,0001</b> | +                          | -                | 100 values      | Colour Touchscreen 1,5" | USB          |
| 120001005 | inductive | 1             | <b>0,0001</b> | +                          | Li-pol           | 100 values      | Colour Touchscreen 1,5" | USB+Wireless |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



\* Inductive probe is not including



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since 1995



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ISO 17025



ISO 9001:2015



# PRECISION THICKNESS GAUGES



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



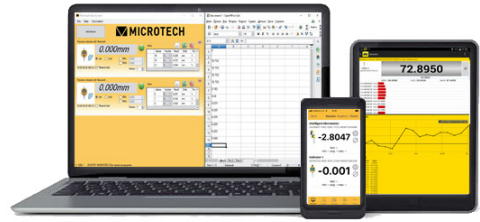
METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

**Industry 4.0**  
READY

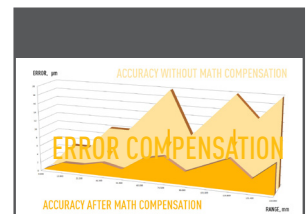


Built-in  
**WIRELESS**  
data output module

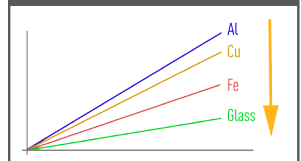


## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



### TEMPERATURE COMPENSATION



### TOLERANCE FUNCTION

NoGo Go NoGo

### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### RECHARGEABLE BATTERY



Li-POl

### INTERNAL MEMORY

100 VALUES



- Patent UA99686, UA103982, UA126928, UA131637, WO2016124990 by MICROTECH
- Different type of measuring faces and gauges form for customer requirement
- Modification with Dial, Digital or Intelligent indication head
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

## DIGITAL THICKNESS GAUGES

| Item No   | Range | Depth | Resolution | Accuracy | Indication | Data output |
|-----------|-------|-------|------------|----------|------------|-------------|
|           | mm    | mm    | mm         | mm       |            |             |
| 137001021 | 0-1   | 25    | 0,001      | ±0,003   | Digital    | -           |
| 137010121 | 0-10  | 120   | 0,001      | ±0,012   | Digital    | -           |
| 137010201 | 0-10  | 200   | 0,001      | ±0,015   | Digital    | -           |
| 137020121 | 0-20  | 120   | 0,001      | ±0,015   | Digital    | -           |
| 137025201 | 0-25  | 200   | 0,001      | ±0,018   | Digital    | -           |
| 137050101 | 0-50  | 100   | 0,001      | ±0,015   | Digital    | -           |
| 137050201 | 0-50  | 200   | 0,001      | ±0,020   | Digital    | -           |
| 137050301 | 0-50  | 300   | 0,001      | ±0,025   | Digital    | -           |
| 137050401 | 0-50  | 400   | 0,001      | ±0,030   | Digital    | -           |
| 137050601 | 0-50  | 600   | 0,001      | ±0,040   | Digital    | -           |
| 137050801 | 0-50  | 800   | 0,001      | ±0,055   | Digital    | -           |
| 137100101 | 0-100 | 100   | 0,001      | ±0,015   | Digital    | -           |
| 137100201 | 0-100 | 200   | 0,001      | ±0,020   | Digital    | -           |
| 137100401 | 0-100 | 400   | 0,001      | ±0,035   | Digital    | -           |
| 137100601 | 0-100 | 600   | 0,001      | ±0,045   | Digital    | -           |
| 137100801 | 0-100 | 800   | 0,001      | ±0,060   | Digital    | -           |

## INTELLIGENT THICKNESS GAUGES

| Item No   | Range | Depth | Resolution | Accuracy | Indication       | Data output  |
|-----------|-------|-------|------------|----------|------------------|--------------|
|           | mm    | mm    | mm         | mm       |                  |              |
| 137001028 | 0-1   | 25    | 0,0001     | ±0,003   | 1,5" Touchscreen | Wireless+USB |
| 137010128 | 0-10  | 120   | 0,0001     | ±0,011   | 1,5" Touchscreen | Wireless+USB |
| 137020128 | 0-20  | 120   | 0,0001     | ±0,014   | 1,5" Touchscreen | Wireless+USB |
| 137025208 | 0-25  | 200   | 0,0001     | ±0,016   | 1,5" Touchscreen | Wireless+USB |
| 137050208 | 0-50  | 200   | 0,0001     | ±0,018   | 1,5" Touchscreen | Wireless+USB |
| 137050308 | 0-50  | 300   | 0,0001     | ±0,021   | 1,5" Touchscreen | Wireless+USB |
| 137050408 | 0-50  | 400   | 0,0001     | ±0,025   | 1,5" Touchscreen | Wireless+USB |
| 137050608 | 0-50  | 600   | 0,0001     | ±0,032   | 1,5" Touchscreen | Wireless+USB |
| 137050808 | 0-50  | 800   | 0,0001     | ±0,045   | 1,5" Touchscreen | Wireless+USB |
| 137100108 | 0-100 | 100   | 0,0001     | ±0,012   | 1,5" Touchscreen | Wireless+USB |
| 137100208 | 0-100 | 200   | 0,0001     | ±0,016   | 1,5" Touchscreen | Wireless+USB |
| 137100408 | 0-100 | 400   | 0,0001     | ±0,027   | 1,5" Touchscreen | Wireless+USB |
| 137100608 | 0-100 | 600   | 0,0001     | ±0,036   | 1,5" Touchscreen | Wireless+USB |
| 137100808 | 0-100 | 800   | 0,0001     | ±0,048   | 1,5" Touchscreen | Wireless+USB |

## ACCESSORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |

| Item No   | Name                                                    |
|-----------|---------------------------------------------------------|
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android |
| 299100050 | SPC- Software MicrotechDataPro for Android              |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS     |
| 299100070 | SPC- Software MicrotechDataPro for iOS                  |

# INTELLIGENT COMPUTERIZED GAUGE FOR INTERNAL MEASURING



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA99686, UA103982, UA126928, UA131637, W02016124990 by MICROTECH
- Resolution **0,2**  $\mu\text{m}$
- Built in micro computer with colour Touchscreen display 1,5" **NEW**
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

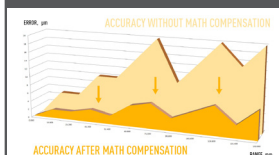
## DESCRIPTION



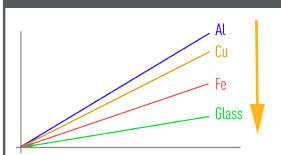
**0.2  $\mu\text{m}$**   
resolution

| Item No   | Range | Resolution | Accuracy    | Math error compensation | Temperature compensation | Internal memory | Indication                        | Data output  |
|-----------|-------|------------|-------------|-------------------------|--------------------------|-----------------|-----------------------------------|--------------|
|           | mm    | mm         | mm          |                         |                          | value           |                                   |              |
| 134102505 | 5-25  | 0,0002     | $\pm 0,020$ | +                       | +                        | 100             | Colour<br>Touchscreen<br><br>1,5" | Wireless+USB |
| 134103005 | 10-30 | 0,0002     | $\pm 0,020$ | +                       | +                        | 100             |                                   | Wireless+USB |
| 134104005 | 20-40 | 0,0002     | $\pm 0,020$ | +                       | +                        | 100             |                                   | Wireless+USB |
| 134105005 | 30-50 | 0,0002     | $\pm 0,020$ | +                       | +                        | 100             |                                   | Wireless+USB |
| 134106005 | 40-60 | 0,0002     | $\pm 0,020$ | +                       | +                        | 100             |                                   | Wireless+USB |

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION



### INTERNAL MEMORY

**100** VALUES



### INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



# INTELLIGENT COMPUTERIZED GAUGE FOR EXTERNAL MEASURING



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



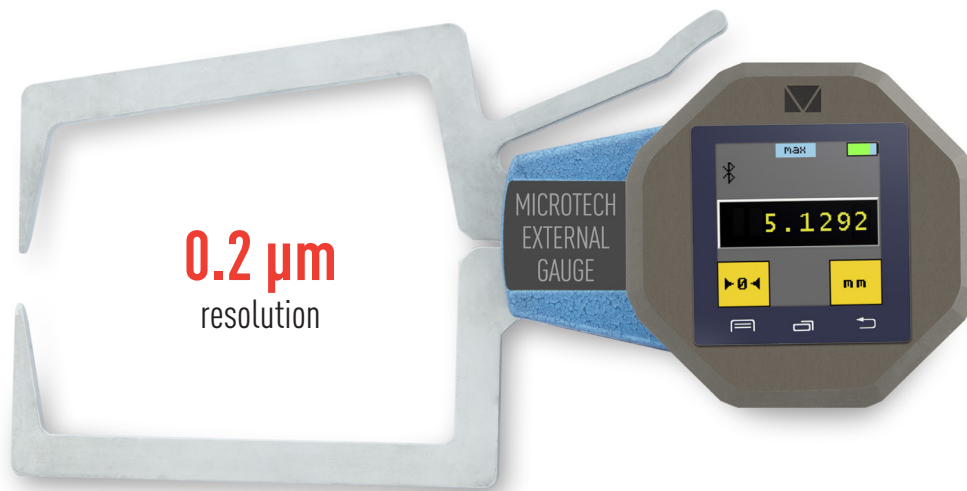
**4.0** Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

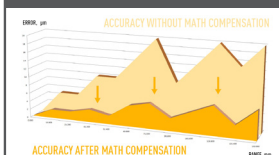
- Patent UA99686, UA103982, UA126928, UA131637, W02016124990 by MICROTECH
- Resolution **0,2 μm**
- Built in micro computer with colour Touchscreen display 1,5" **NEW**
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

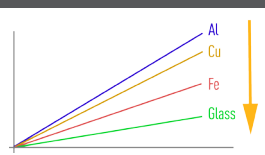


| Item No   | Range | Resolution | Accuracy | Math error compensation | Temperature compensation | Internal memory | Indication                        | Data output  |
|-----------|-------|------------|----------|-------------------------|--------------------------|-----------------|-----------------------------------|--------------|
|           | mm    | mm         | mm       |                         |                          | value           |                                   |              |
| 134202005 | 0-20  | 0,0002     | ±0,020   | +                       | +                        | 100             | Colour<br>Touchscreen<br><br>1,5" | Wireless+USB |
| 134203005 | 10-30 | 0,0002     | ±0,020   | +                       | +                        | 100             |                                   | Wireless+USB |
| 134204005 | 20-40 | 0,0002     | ±0,020   | +                       | +                        | 100             |                                   | Wireless+USB |
| 134205005 | 30-50 | 0,0002     | ±0,020   | +                       | +                        | 100             |                                   | Wireless+USB |
| 134206005 | 40-60 | 0,0002     | ±0,020   | +                       | +                        | 100             |                                   | Wireless+USB |

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION



### INTERNAL MEMORY

100 VALUES



**INTEGRATED WIRELESS DATA OUTPUT**  
Free versions of Software for Windows, Android, iOS



**MICROTECH**

since 1995



www.microtech.ua



ISO 17025



ISO 9001:2015

# RADIUS RADIAL COMPUTERIZED GAUGE



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



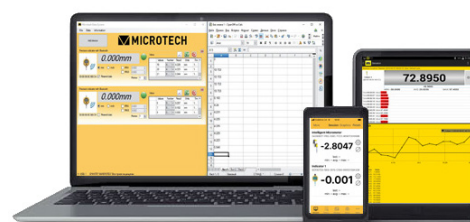
Built-in  
**WIRELESS**  
data output module

- Patent UA126928, UA131637, WO2016124990 by MICROTECH
- Automatic cylinder radius recalculation **NEW**
- No need interchangeable anvils
- Resolution 1  $\mu$ m
- Built in micro computer with colour Touchscreen display 1,5"
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION



**1  $\mu$ m**  
resolution



### INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

#### RECHARGEABLE BATTERY

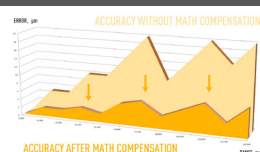


Li-Pol

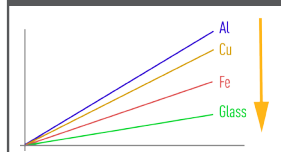
#### INTERNAL MEMORY

**100 VALUES**

#### ERROR COMPENSATION



#### TEMPERATURE COMPENSATION



#### FORMULA MODE

**$Ax^2+Bx+C$**   
PRESET FUNCTION

#### TOLERANCE FUNCTION

**NoGo Go NoGo**

| Item No    | Range    | Resolution | Accuracy    | Math error compensation | Temperature compensation | Internal memory | Indication              | Data output  |
|------------|----------|------------|-------------|-------------------------|--------------------------|-----------------|-------------------------|--------------|
|            | mm       | mm         | mm          |                         |                          | value           |                         |              |
| 1250511006 | 100-1000 | 0,001      | $\pm 0,020$ | +                       | +                        | 100             | Colour Touchscreen 1,5" | Wireless+USB |





# SPHERE RADIAL COMPUTERIZED GAUGE



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



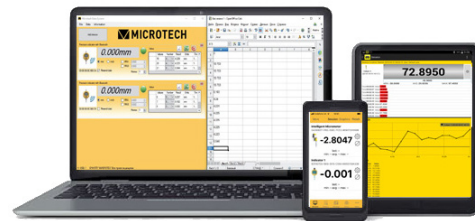
Built-in  
**WIRELESS**  
data output module

- Patent UA126928, UA131637, WO2016124990 by MICROTECH
- Automatic sphere radius recalculation **NEW**
- No need interchangeable anvils
- Resolution 1 µm
- Built in micro computer with colour Touchscreen display 1,5"
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION



**1 µm**  
resolution



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

### RECHARGEABLE BATTERY

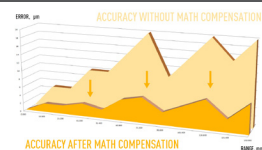


Li-Pol

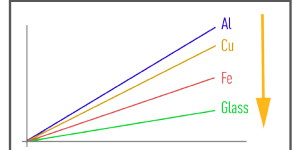
### INTERNAL MEMORY

**100 VALUES**

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### FORMULA MODE

**$Ax^2+Bx+C$**   
PRESET FUNCTION

### TOLERANCE FUNCTION

**NoGo Go NoGo**

| Item No    | Range    | Resolution | Math error compensation | Temperature compensation | Internal memory | Indication              | Data output  |
|------------|----------|------------|-------------------------|--------------------------|-----------------|-------------------------|--------------|
|            | mm       | mm         |                         |                          | value           |                         |              |
| 1250711206 | 320-1250 | 0,001      | +                       | +                        | 100             | Colour Touchscreen 1,5" | Wireless+USB |



**MICROTECH**

since 1995



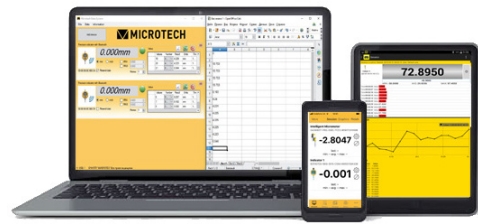
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ISO 17025



ISO 9001:2015



## INTEGRATED WIRELESS DATA OUTPUT

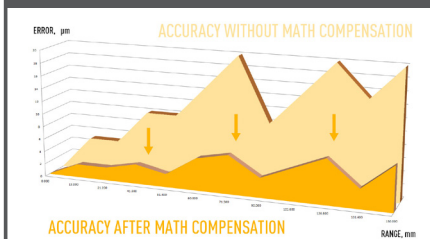
Free versions of Software for Windows, Android, iOS

**1  $\mu$ m**  
resolution

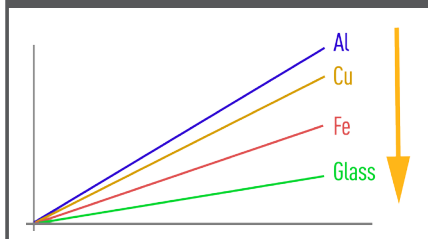


**Max R=32,2m**

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



LI-POl

### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION

NoGo Go NoGo

### INTERNAL MEMORY

100 VALUES





DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

- Patent US10184772, UA128692, UA132139, UA99687by MICROTECH
- Automatic cylinder radius recalculation **NEW**
- No need interchangeable anvils
- Resolution from 1 µm
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Temperature compensation of details with materials: Aluminium, Iron, Cooper, Glass on range 0-50°C (internal sensor)
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- Built in rechargeable Li-Pol battery
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

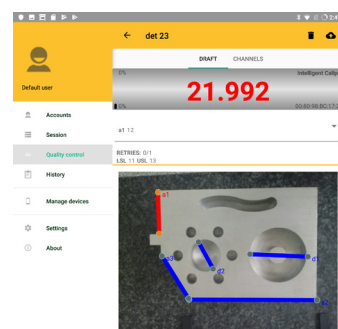
## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No    | Radius Range | Base lenght | Accuracy | Math error compensation | Temperature compensation | Internal memory | Indication              | Data output  |
|------------|--------------|-------------|----------|-------------------------|--------------------------|-----------------|-------------------------|--------------|
|            | mm           | mm          | %        |                         |                          | value           |                         |              |
| 1250530256 | 60-2550      | 600         | 0,05%    | +                       | +                        | 100             | Colour Touchscreen 1,5" | Wireless+USB |
| 1250531156 | 100-11200    | 1200        | 0,05%    | +                       | +                        | 100             |                         | Wireless+USB |
| 1250533356 | 200-32200    | 2000        | 0,05%    | +                       | +                        | 100             |                         | Wireless+USB |

## ACCESORIES

| Item No   | Name                                                        |
|-----------|-------------------------------------------------------------|
| 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299190001 | Standart USB-Dongle for Windows                             |
| 299190002 | Long range USB-Dongle for Windows                           |
| 299190000 | USB-Footswitch for Windows                                  |
| 299190010 | Wireless-Footswitch for Windows                             |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android     |
| 299100050 | SPC- Software MicrotechDataPro for Android                  |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS         |
| 299100070 | SPC- Software MicrotechDataPro for iOS                      |



**MICROTECH**

since 1995



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ISO 17025



ISO 9001:2015



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**



**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA 126928, UA131637, WO2016124990 by MICROTECH
- Dial, Digital or Intelligent indicator **NEW**
- Modification with Built in micro computer with colour Touchscreen display 1,5"
- Modification with Mathematical error compensation
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Modification with Built in Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION



## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

### RECHARGEABLE BATTERY

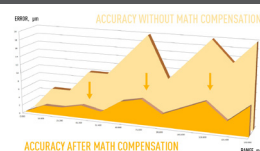


LI-POL

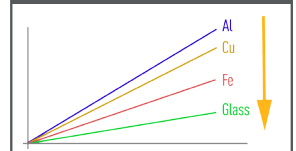
### INTERNAL MEMORY

**100** VALUES

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION

NoGo Go NoGo



| Item No   | Range    | Resolution | Depth | Accuracy |
|-----------|----------|------------|-------|----------|
|           | mm       | mm         | mm    | mm       |
| 131010100 | 6-10     | 0,01       | 80    | ±0,008   |
| 131018100 | 10-18    | 0,01       | 100   | ±0,008   |
| 131050100 | 18-50    | 0,01       | 150   | ±0,012   |
| 131050111 | 18-50    | 0,01       | 500   | ±0,012   |
| 131160100 | 50-160   | 0,01       | 150   | ±0,015   |
| 131160111 | 50-160   | 0,01       | 500   | ±0,015   |
| 131250100 | 160-250  | 0,01       | 314   | ±0,015   |
| 131250111 | 160-250  | 0,01       | 500   | ±0,015   |
| 131450100 | 250-450  | 0,01       | 400   | ±0,022   |
| 131450111 | 250-450  | 0,01       | 400   | ±0,022   |
| 131800110 | 400-800  | 0,01       | 400   | ±0,030   |
| 131900111 | 700-1000 | 0,01       | 500   | ±0,030   |

## PRECISION DIGITAL BORE GAUGE

| Item No   | Range    | Resolution | Depth | Accuracy | Data output |
|-----------|----------|------------|-------|----------|-------------|
|           | mm       | mm         | mm    | mm       |             |
| 131010800 | 6-10     | 0,001      | 80    | ±0,003   | -           |
| 131018800 | 10-18    | 0,001      | 100   | ±0,003   | -           |
| 131050800 | 18-50    | 0,001      | 150   | ±0,003   | -           |
| 131050811 | 18-50    | 0,001      | 500   | ±0,003   | -           |
| 131160800 | 50-160   | 0,001      | 150   | ±0,003   | -           |
| 131160811 | 50-160   | 0,001      | 500   | ±0,003   | -           |
| 131250800 | 160-250  | 0,001      | 314   | ±0,005   | -           |
| 131250811 | 160-250  | 0,001      | 500   | ±0,005   | -           |
| 131450811 | 250-450  | 0,001      | 400   | ±0,008   | -           |
| 131800810 | 400-800  | 0,001      | 400   | ±0,009   | -           |
| 131900811 | 700-1000 | 0,001      | 500   | ±0,012   | -           |

## INTELLIGENT COMPUTERIZED BORE GAUGE

| Item No   | Range    | Resolution | Depth | Accuracy | Mathematical error compensation | Internal memory | Indication              | Data output  |
|-----------|----------|------------|-------|----------|---------------------------------|-----------------|-------------------------|--------------|
|           | mm       | mm         | mm    | mm       |                                 | value           |                         |              |
| 131010700 | 6-10     | 0,0001     | 80    | ±0,003   | +                               | 100             | Colour Touchscreen 1,5' | Wireless+USB |
| 131018700 | 10-18    | 0,0001     | 100   | ±0,003   | +                               | 100             |                         | Wireless+USB |
| 131050700 | 18-50    | 0,0001     | 150   | ±0,003   | +                               | 100             |                         | Wireless+USB |
| 131050711 | 18-50    | 0,0001     | 500   | ±0,003   | +                               | 100             |                         | Wireless+USB |
| 131160700 | 50-160   | 0,0001     | 150   | ±0,003   | +                               | 100             |                         | Wireless+USB |
| 131160711 | 50-160   | 0,0001     | 500   | ±0,003   | +                               | 100             |                         | Wireless+USB |
| 131250700 | 160-250  | 0,0001     | 314   | ±0,005   | +                               | 100             |                         | Wireless+USB |
| 131250711 | 160-250  | 0,0001     | 500   | ±0,005   | +                               | 100             |                         | Wireless+USB |
| 131450711 | 250-450  | 0,0001     | 400   | ±0,008   | +                               | 100             |                         | Wireless+USB |
| 131800710 | 400-800  | 0,0001     | 400   | ±0,009   | +                               | 100             |                         | Wireless+USB |
| 131900711 | 700-1000 | 0,0001     | 500   | ±0,012   | +                               | 100             |                         | Wireless+USB |





DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module



**INTEGRATED WIRELESS DATA OUTPUT**

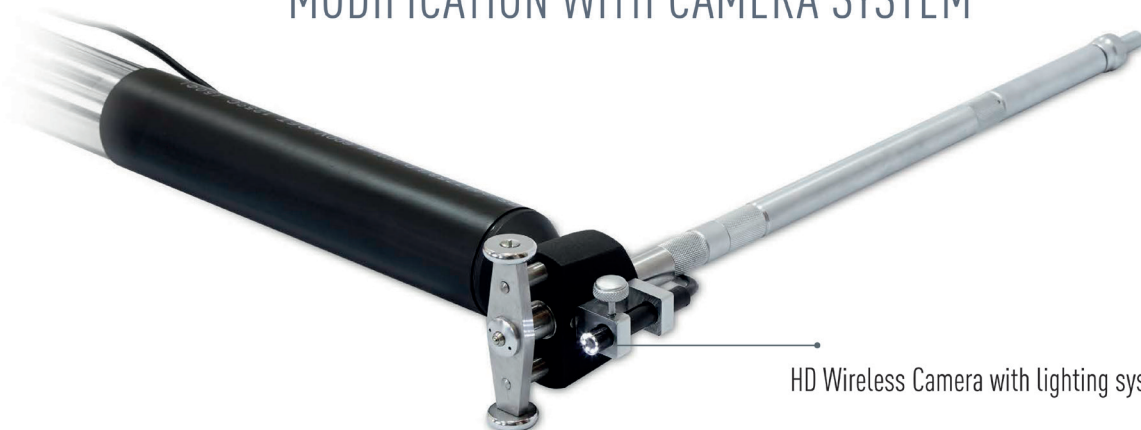
Free versions of Software for Windows, Android, iOS

DEPTH UP TO 10m  
MODULAR DESIGN

**0,1  $\mu$ m**  
resolution



MODIFICATION WITH CAMERA SYSTEM



HD Wireless Camera with lighting system



- Patent UA 114974, UA 103980, UA131637, WO2016124990 by MICROTECH
- Depth of measurings up to 10000mm **NEW**
- Recommended for Horizontal measurings (Vertical for special requirement)
- Module construction consist 1-4 elements
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Integrated Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**

## DESCRIPTION

## TECHNICAL SPECIFICATIONS

| Item No   | Range    | Resolution | Depth | Accuracy (Horizontal) | Error compensation | Internal memory | Indication              | Data output  | Camera vision system |
|-----------|----------|------------|-------|-----------------------|--------------------|-----------------|-------------------------|--------------|----------------------|
|           | mm       | mm         | mm    | mm                    |                    | value           |                         |              |                      |
| 131050722 | 18-50    | 0,001      | 1000  | ±0,006                | +                  | 100             | Colour Touchscreen 1,5" | Wireless+USB | optional             |
| 131050744 | 18-50    | 0,001      | 2000  | ±0,009                | +                  | 100             |                         | Wireless+USB | optional             |
| 131050745 | 35-50    | 0,001      | 3000  | ±0,012                | +                  | 100             |                         | Wireless+USB | optional             |
| 131160722 | 50-160   | 0,001      | 1000  | ±0,007                | +                  | 100             |                         | Wireless+USB | optional             |
| 131160744 | 50-160   | 0,001      | 2000  | ±0,009                | +                  | 100             |                         | Wireless+USB | optional             |
| 131160755 | 85-160   | 0,001      | 5000  | ±0,012                | +                  | 100             |                         | Wireless+USB | optional             |
| 131160790 | 115-160  | 0,001      | 7000  | ±0,016                | +                  | 100             |                         | Wireless+USB | optional             |
| 131250722 | 160-250  | 0,001      | 1000  | ±0,009                | +                  | 100             |                         | Wireless+USB | optional             |
| 131250744 | 160-250  | 0,001      | 2000  | ±0,010                | +                  | 100             |                         | Wireless+USB | optional             |
| 131250755 | 160-250  | 0,001      | 5000  | ±0,015                | +                  | 100             |                         | Wireless+USB | optional             |
| 131250777 | 165-250  | 0,001      | 7000  | ±0,017                | +                  | 100             |                         | Wireless+USB | optional             |
| 131250790 | 205-250  | 0,001      | 10000 | ±0,020                | +                  | 100             |                         | Wireless+USB | optional             |
| 131450722 | 250-450  | 0,001      | 1000  | ±0,010                | +                  | 100             |                         | Wireless+USB | optional             |
| 131450744 | 250-450  | 0,001      | 2000  | ±0,015                | +                  | 100             |                         | Wireless+USB | optional             |
| 131450755 | 250-450  | 0,001      | 5000  | ±0,020                | +                  | 100             |                         | Wireless+USB | optional             |
| 131450790 | 250-450  | 0,001      | 10000 | ±0,025                | +                  | 100             |                         | Wireless+USB | optional             |
| 131800722 | 400-800  | 0,001      | 1000  | ±0,014                | +                  | 100             |                         | Wireless+USB | optional             |
| 131800744 | 400-800  | 0,001      | 2000  | ±0,020                | +                  | 100             |                         | Wireless+USB | optional             |
| 131800755 | 400-800  | 0,001      | 5000  | ±0,025                | +                  | 100             |                         | Wireless+USB | optional             |
| 131800790 | 400-800  | 0,001      | 10000 | ±0,030                | +                  | 100             |                         | Wireless+USB | optional             |
| 131900722 | 700-1000 | 0,001      | 1000  | ±0,015                | +                  | 100             |                         | Wireless+USB | optional             |
| 131900744 | 700-1000 | 0,001      | 2000  | ±0,025                | +                  | 100             |                         | Wireless+USB | optional             |
| 131900755 | 700-1000 | 0,001      | 5000  | ±0,030                | +                  | 100             |                         | Wireless+USB | optional             |
| 131900790 | 700-1000 | 0,001      | 10000 | ±0,040                | +                  | 100             |                         | Wireless+USB | optional             |

## ACCESORIES

| Item No   | Name                                                    | Item No   | Name                                                        |
|-----------|---------------------------------------------------------|-----------|-------------------------------------------------------------|
| 299190010 | Wireless-Footswitch for Windows                         | 299100030 | <b>FREE</b> SPC- Software MDS MicrotechDataLite for Windows |
| 299100040 | <b>FREE</b> SPC- Software MicrotechDataLite for Android | 299100080 | SPC- Software MDS MicrotechDataPro for Windows              |
| 299100050 | SPC- Software MicrotechDataPro for Android              | 299190001 | Standart USB-Dongle for Windows                             |
| 299100060 | <b>FREE</b> SPC- Software MicrotechDataLite for iOS     | 299190002 | Long range USB-Dongle for Windows                           |
| 299100070 | SPC- Software MicrotechDataPro for iOS                  | 299190000 | USB-Footswitch for Windows                                  |

# UNIVERSAL CALIBRATION COMPUTERIZED STAND



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA99686, UA103982, UA126928, UA131637, UA99931, W02016124992 by MICROTECH
- Universal calibration stands for indicators and bore gauges calibration
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Micrometer heads with resolution 0,1 µm
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Integrated Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION



### RECHARGEABLE BATTERY

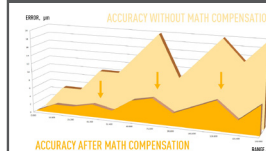


LI-POL

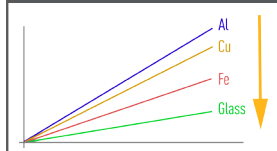
### INTERNAL MEMORY

**100 VALUES**

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### FORMULA MODE

$Ax^2+Bx+C$   
**PRESET FUNCTION**

### TOLERANCE FUNCTION

**NoGo Go NoGo**



### INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



**0,1 µm**  
resolution

| Item No  | Range  | Resolution | Accuracy of micrometer head | Internal memory | Math error compensation | Indication       | Data output    |
|----------|--------|------------|-----------------------------|-----------------|-------------------------|------------------|----------------|
|          | mm     | mm         | mm                          | values          |                         |                  |                |
| 25111300 | 0-300  | 0,0001     | ±0,001                      | 100             | +                       | Colour           | Wireless & USB |
| 25111500 | 0-500  | 0,0001     | ±0,001                      | 100             | +                       |                  | Wireless & USB |
| 25111500 | 0-1000 | 0,0001     | ±0,001                      | 100             | +                       | Touchscreen 1,5" | Wireless & USB |



# INDICATOR CALIBRATION COMPUTERIZED STAND



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry 4.0  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA99686, UA103982, UA126928, UA131637, UA131773, WO2016124992 by MICROTECH
- Calibration stands for calibration digital and analog indicators
- Built in micro computer with colour Touchscreen display 1,5"
- Mathematical error compensation
- Micrometer heads with resolution 0,1 µm
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up to 100 values)
- Integrated Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION



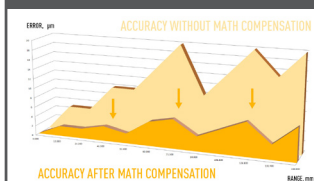
**0,1 µm**  
resolution



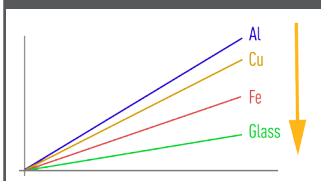
## INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION



### RECHARGEABLE BATTERY



### FORMULA MODE

$Ax^2+Bx+C$   
PRESET FUNCTION

### TOLERANCE FUNCTION

NoGo Go NoGo

### INTERNAL MEMORY

100 VALUES

| Item No  | Range | Resolution | Accuracy of micrometer head | Internal memory | Math error compensation | Micrometer head | Data output    |
|----------|-------|------------|-----------------------------|-----------------|-------------------------|-----------------|----------------|
|          | mm    | mm         | mm                          | values          |                         |                 |                |
| 25111026 | 0-25  | 0,0001     | ±0,0015                     | 100             | +                       | Intelligent     | Wireless & USB |
| 25111051 | 0-50  | 0,0001     | ±0,0015                     | 100             | +                       | Intelligent     | Wireless & USB |



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since 1995



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ISO 17025



ISO 9001:2015



DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

Industry **4.0**  
READY



Built-in  
**WIRELESS**  
data output module

- Patent UA99686, UA103982, UA126928, UA131637, W02016124990 by MICROTECH
- Built in micro computer with colour Touchscreen display 1,5" **NEW**
- Mathematical error compensation
- Advanced functions (TOL, MAX/MIN, RANGE, DATA, ZERO, MEMORY up 100 to values)
- Integrated Wireless Low Energy data transfer to Windows, Android, iOS devices with distance up to 10 m
- USB connection to Windows PC in keyboard or normal mode (cable including)
- SPC software for Windows, Android, iOS devices for **FREE**
- 100% metrological control in accredited laboratory by ISO17025 (Ilac MRA)

## DESCRIPTION

### RECHARGEABLE BATTERY

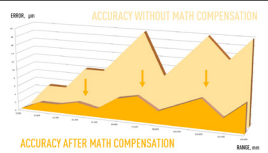


Li-PoL

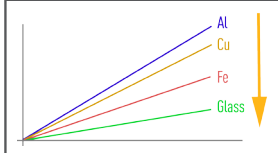
### INTERNAL MEMORY

**100** VALUES

### ERROR COMPENSATION



### TEMPERATURE COMPENSATION

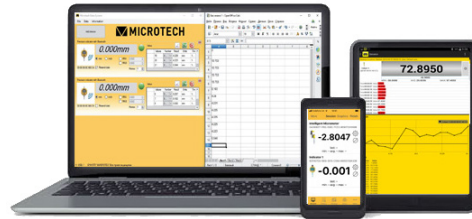


### FORMULA MODE

$Ax^2+Bx+C$   
**PRESET FUNCTION**

### TOLERANCE FUNCTION

NoGo Go NoGo



### INTEGRATED WIRELESS DATA OUTPUT

Free versions of Software for Windows, Android, iOS



**0,2 μm**  
resolution

| Item No   | Base   | Resolution | Accuracy | Internal memory | Math error compensation | Indication  | Data output    |
|-----------|--------|------------|----------|-----------------|-------------------------|-------------|----------------|
| 152315710 | 165x60 | 0,0002     | ±0,007   | 100             | +                       | Intelligent | Wireless & USB |







DEVELOPING PATENTED BY  
**MICROTECH**



PRECISION **SERIE**



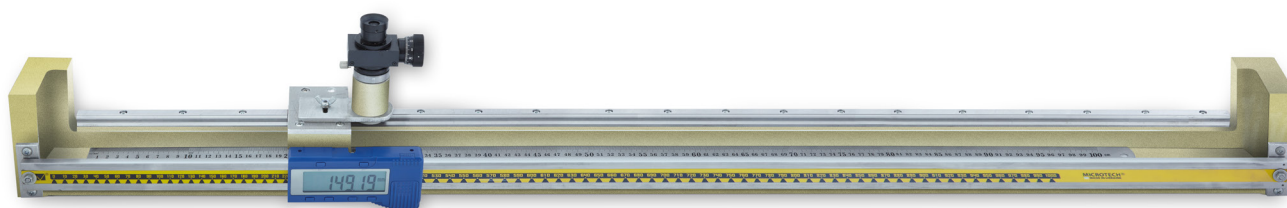
METROLOGICAL CONTROL  
**MICROTECH**

**4.0**

**Industry 4.0**  
READY



Built-in  
**WIRELESS**  
data output module



**MICROTECH**

since 1995



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ISO 17025



ISO 9001:2015



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innovative measuring instruments

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[www.microtech.ua](http://www.microtech.ua)

[tool@microtech.ua](mailto:tool@microtech.ua)

**PM**  
PRECISE MEASUREMENT



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