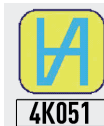




COMPUTERIZED BORE GAUGE MICROTECH

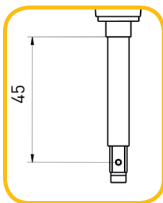


ISO/IES 17025:2006 (cert. N° 4K051)

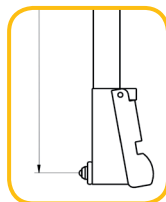


Quality management system
ISO 9001:2015 (cert. N° U228396)

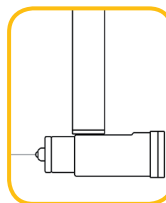
Range	Depth	Resolution 0.0001mm			Calibration
		COMPUTERIZED			
		Item No	Accuracy	Data output	
mm	mm		mm	Wireless	ISO17025
6-10	45	131010700	±0,003	50m	+
10-18	45	131017300	±0,003	50m	+
18-50	135	131050700	±0,003	50m	+
	500	131050711	±0,003	50m	+
	1000	131050722	±0,003	50m	+
	2000	131050744	±0,003	50m	+
50-160	200	131160700	±0,003	50m	+
	500	131160711	±0,003	50m	+
	1000	131160722	±0,003	50m	+
	2000	131160744	±0,003	50m	+
160-250	200	131250700	±0,005	50m	+
	500	131250711	±0,005	50m	+
	1000	131250722	±0,005	50m	+
	2000	131250744	±0,005	50m	+
250-450	200	131450700	±0,008	50m	+
	500	131450711	±0,008	50m	+
	1000	131450722	±0,008	50m	+
	2000	131450744	±0,008	50m	+
400-800	250	131800700	±0,009	50m	+
	500	131800711	±0,009	50m	+
	1000	131800722	±0,009	50m	+
	2000	131800744	±0,009	50m	+
700-1000	400	131900700	±0,012	50m	+
	1000	131900722	±0,012	50m	+
	2000	131900744	±0,012	50m	+
WIDE RANGE BORE GAUGES					
10-100	45	131110700	±0,003	50m	+
20-200	200	131220700	±0,003	50m	+
50-250	200	131224700	±0,003	50m	+
18-250	150	131225700	±0,003	50m	+
130-1500	500	131951700	±0,008	50m	+



6-10 mm



10-18 mm
18-50 mm



over 50 mm



- SWITCH ON DEVICE** - button push (1 sec)
- SWITCH OFF DEVICE** - auto switch off (configuring throw DISPLAY SETTING menu)
 - button push (3 sec)



Clean the oil from the measuring rod and measuring anvil.

For recharging indicator (Li-Pol rechargeable battery) connect it with standard USB cable to charger device

Turn on instrument by pressing ON button (1 sec).

For zero setting, press the ZERO button on Touchscreen.

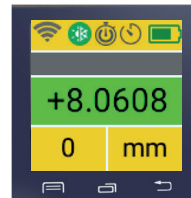
Save measuring data to internal indicator memory with touch data on screen or by button push (necessery activating throw menu). You can view saved data throw menu or send throw Wireless connection to Windows PC, Android or iOS devices.

CHARGING

For charging connect USB cable

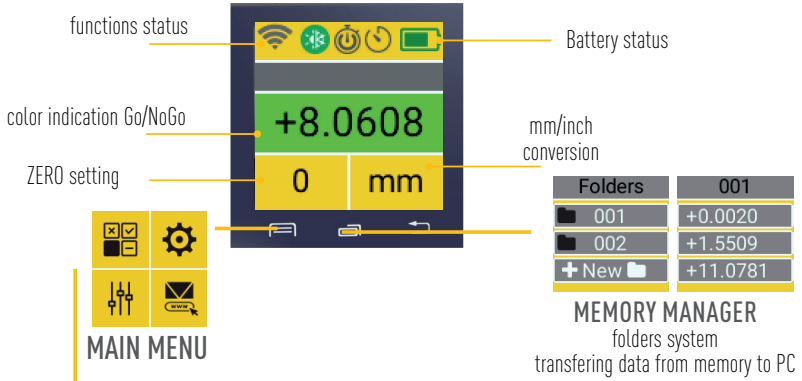


Charging process indicating on Battery status (switch on device)



BUILT-IN BATTERY - rechargeable Li-Pol battery

Parameters	
LED display	color 1,5 inch
Power supply	Rechargeable Li-Pol battery
Charging port	micro-USB
Case material	Aluminium
Buttons	Switch, Reset
Wireless data transfer	10m without external antenna 50m with external antenna (from set)



< +00.0001
> +00.0001
MIN

LIMITS
color Go/NoGo

Max/Min

Enable

OK

MAX/MIN
indicating max or min value

A +00.0000
B +00.0000
C +00.0000
RESET

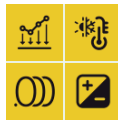
FORMULA MODE
 Ax^2+Bx+C

Timer

+000 sec.

RESET

TIMER MODE
saving or transfer data on timer



O: 01.0000
C: 01.0000
OK
RESET

ERROR COMPENSATION
mathematical correction

Temp. comp.

None Mode

+25.00 C

TEMPERATURE COMPENSATION
manual correction 4 materials

Resolution

X.0000

RESOLUTION
selected up to 0.0001mm

Extra

Axis Mode

Normal

AXIS MODE
normal or inverted



Wireless Trans

Normal

1 min

WIRELESS
modes of data transmission

Mode OFF

UART OFF

Keypad ON

CONFIG

USB
USB connection configuration

Device

Auto start ON

PIN RESET

DEVICE SETTING
autostart, reset, password

Angle

Sleep ON

Light High

SCREEN SETTING
screen rotation, brightness



Mode

Folder

+000

RESET

MEMORY SETTING
folder configuration

Link to software

SOFTWARE
link to download app

Calibration Date

DAY MONTH YEAR

01 01 2020

CHANGE

CALIBRATION STATUS
calibration date control

app@microtech.ua
F411RE
FW: 1.1.1
MAC: 00000
ID: 00000000

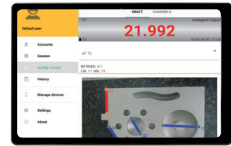
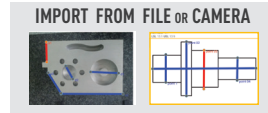
DEVICE INFO
service info about device



WIRELESS CONNECTION



USB-DONGLE



Windows™



iOS



ANDROID

DOWNLOAD



DOWNLOAD



DOWNLOAD



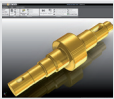
SAVING DATA TO XLS. CSV FORMATS



SAVING DATA TO XLS. CSV FORMATS



SAVING DATA TO XLS. CSV FORMATS



TRANSFER DATA TO CAD, SPC OR OTHER SOFTWARE



SAVING GRAPH



SAVING GRAPH



TRANSFER DATA TO EXCEL OR OTHER TABLE EDITORS



VOICE MODE



VOICE MODE

DATA TRANSFER DISTANCE FOR INTELLIGENT INSTRUMENTS

- All MICROTECH Intelligent instruments has internal memory. You can collect data to memory and when it will be necessary transfer all data to the peripheral device with no data losing.
- It's possible transfer data, like in Wireless instruments up to 15 m or up 50 m with external antenna
- USB port can be used to transfer data directly to Windows PC



QUALITY CONTROL RESULTS

LIMITS GO/NOGO

MENU SETTING

< +00.0001

> +00.0001

MIN

MAIN SCREEN

+8.0608

0 mm

NoGo Go NoGo

MAX - NoGo over MAX value
 MIN - NoGo over MIN value
 RANGE - selecting GO range
 NONE - No active mode

FORMULA

A +00.0000

B +00.0000

C +00.0000

RESET

EXAMPLES:

- for value x2 - B=2
- set PRESET 100mm C=100
- square value A=1

Avialable Formulas:

- Ax^2+Bx+C
- Radius (for indicators)
- Sphere (for indicators)

MATH. ERROR COMPENSATION

D: 01.0000

E: 01.0010

OK

RESET

Red value
- actual value on instrument

Green value
- compensated value

Use up&down button to update actual value (green) to correct value.
 For compensation correction - push OK.
 After points correction computerized instrument will recalculate values according corrected points

RESOLUTION

Resolution

X.0000

+8.0608

Selecting instrument resolution

MAX/MIN

Max/Min

Enable

MAX

Status indication on main screen

+8.0608

0 mm

ENABLE/DISABLE mode indicating MAX dvalue indicating MIN value

TIMER

Timer

+000 sec.

RESET

Timer indication on main screen

+8.0608

0 mm

Saving or transfer data by Timer
 Select timer period
 For disactive - reset to zero

TEMPERATURE COMPENSATION

Temp. comp.

Glass, Quartz
 Solid alloys, Mo

+25.00 C

+8.0608

0 mm

Re-calculation value to calibration conditions 20C
 7 types of materilas for selection
 Manual temperature setting

EXTRA (Axis mode)

Extra

Axis Mode

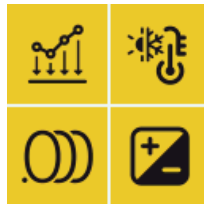
Normal

+/- value indication

+8.0608


0 mm

Selecting normal or inverted axis mode




FUNCTIONS

WIRELESS CONNECTION

Wireless Trans 

Normal

1 min

WIRELESS status 

+8.0608


0 mm


USB CONNECTION

Mode OFF

UART OFF

Keypad ON

CONFIG 

Windows 




PIN


Device


Auto start ON

PIN RESET

DISPLAY SETTING

Angle 

Sleep off 



Rotation 0, 90, 180, 270

Sleep mode

Brightness level

+8.0608 mm

0 mm

8090'8+

MEMORY MANAGER SETTINGS

Mode 001

Folder +0.0020

+000 +1.5509

RESET +11.0781

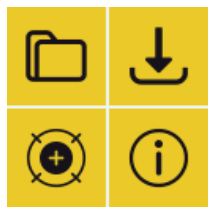
- Standard / Folder mode
In Folder mode possible to set qty values in each folder.

LINK TO SOFTWARE

Link to software 


Free Software for Windows, Android, iOS

Link to page with MDS Software download
- for Android, iOS, Windows
- Free and Pro versions



CALIBRATION DATE

Calibration Date


DAY MONTH YEAR

01 01 2020

CHANGE

Saving or transfer data by Timer
Select timer period
For disactive - reset to zero

DEVICE INFO



app@microtech.ua
F411RE
FW: 1.1.1
MAC: 00000
ID: 00000000

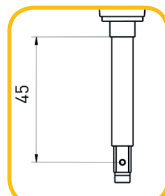
Information about firmware version and MAC adress for easy connection



MICROTECH

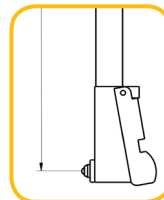


Free Software for Windows, Android, iOS

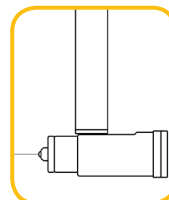


45

6-10 mm



**10-18 mm
18-50 mm**



over 50 mm

MICROTECH

innovative measuring instruments

61001, Kharkiv, Ukraine, str. Rustaveli, 39

tel.: +38 (057) 739-03-50

www.microtech.ua

tool@microtech.ua

Change without prior notice

Edition: M1029_0520