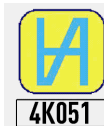




SUB-MICRON INTELLIGENT MICROMETER HEAD MICROTECH



ISO/IES 17025:2006 (cert. № 4K051)



Quality management system
ISO 9001:2015 (cert. № U228396)





1.MODIFICATIONS

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

2.BUTTON FUNCTIONS



RESET button

(push once with a niddle)

SWITCH ON button.

Push 5 sec for switch on micrometer

Push 1 sec to come to sleeping mode (or 30 sec non use)

Push 1 sec to come from sleeping mode (or rotate spindle)

Push 5 sec for switch off micrometer (or 15 min non use)

3.WIRELESS (BLUETOOTH) CONNECTION

3.1 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.

So distance of data transfer can be unlimited!!!

Also it's possible transfer data, like in Wireless instruments up to 10 m.

3.2 MICROTECH Wireless instruments has 2 modes of data transfer:

STANDART MODE (non stop data transfer 4data/sec)

ECONOMY MODE (GATT) (data transfer only by Wireless button push).

3.3 Available FREE and PRO version MICROTECH SPC Software for Windows, Android, iOS systems.





4. OPERATION INSTRUCTIONS

- 4.1 Clean the oil from the measuring surfaces of micrometer by cloth.
- 4.2 Turn on micrometer by pressing **SWITCH ON** button.
- 4.3 Check the setting display to zero. Contact with each other (or with setting gauge) measuring surfaces of the anvil and the spindle, using the ratchet and take a measurement.

Rotation the micrometer screw in the direction of convergence measuring surfaces using the ratchet.

- 4.4 For zero setting, press the **ZERO** button on Touchscreen.

5. FUNCTIONS

<h3>COLOR TOUCHSCREEN</h3> <p>ZERO SETTING</p> <p>mm mm/inch</p> <p>BATTERY LEVEL</p>	<h3>SETTING MENU</h3> <p>SELECTING SETTINGS</p> <ul style="list-style-type: none"> - DEVICE SETTING - EXTRA (math. correction) - SYSTEM - ABOUT 	<h3>HIGHEST RESOLUTION</h3> <p>RESOLUTION UP TO 0,1 micron</p>
<h3>INTERNAL MEMORY</h3> <ul style="list-style-type: none"> - SAVING VALUES - TRANSFER VALUES FROM MEMORY WIRELESS TO PC OR TABLET 	<h3>RECHARGEABLE BATTERY</h3> <p>SWITCH ON CHARGING DEVICE FOR INTERNAL LI-POL BATTERY CHARGING RECOMMENDED TO STARTING CHARGING WHEN DEVICE SWITCH OFF</p>	<h3>BLUETOOTH DATA TRANSFER</h3> <ul style="list-style-type: none"> - SWITCH ON/OFF BLUETOOTH DATA TRANSFER - SELECTING BLUETOOTH TRANSFER MODE - SELECT TRANSFER ON TIMER
<h3>GO/NOGO FUNCTIONS</h3> <p>SETTING TOLERANCES and WARNING LIMITS</p> <p>Green - Go</p> <p>Red - NoGo</p>	<h3>MIN/MAX FUNCTIONS</h3> <p>INDICATING MIN or MAX value</p>	<h3>DISPLAY ORIENTATION</h3> <p>SELECTING DISPLAY ORIENTATION ANGLE</p>
<h3>TIMER MODE</h3> <p>ACTIVATING SAVING VALUE TO MEMORY ON TIMER</p>	<h3>FORMULA MODE</h3> <p>SETTING ARGUMENTS</p> <p>EXAMPLES:</p> <ul style="list-style-type: none"> - for value magnification x2 - B=2 - set base of value 100mm - C=100 - square value - A=1 	<h3>ENERGY MODE</h3> <p>AUTOSWITCH ON/OFF</p>
<h3>ERROR COMPENSATION</h3> <p>INCREASING DEVICE ACCURACY</p> <ul style="list-style-type: none"> - compensate current value to correct value (use gauge block) - more points improve accuracy - error compensation also will be between corrected values 	<h3>TEMPERATURE COMPENSATION</h3> <p>- Compensation for temperature expansion materials:</p> <p>Glass, Steel, Aluminium, Cooper</p> <ul style="list-style-type: none"> - Manual or Automatic mode - Built in temperature sensor 	<h3>USB DATA TRANSFER</h3> <p>USB DATA TRANSFER MODE</p> <ul style="list-style-type: none"> - UART - transfer to MDS Software - Keyboard mode - transfer to any Windows software





4. INSTRUMENT FIGURE



WIRELESS & USB DATA OUTPUT



SPC- Software
MicrotechDataPro



Saving data to xlsx. csv formats



Export data to Cloud



SPC- Software
MicrotechDataPro



Saving data to xlsx. csv formats



Transfer data to CAD, SPC or other Windows Software



Transfer data to Excel or any other table editors



Export data to Cloud

Change without prior notice

Edition: M1019_0818

