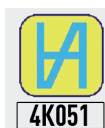




WIDE RANGE SUB-MICRON INTELLIGENT MICROMETER MICROTECH



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	Indication	Data output
	mm	mm	mm				
110181258	100-125	0,0001	±0,0030	IP-65	+	Colour Touchscreen 1,5"	Wireless & USB
110181508	125-150	0,0001	±0,0030	IP-65	+		Wireless & USB
110181758	150-175	0,0001	±0,0035	IP-65	+		Wireless & USB
110182008	175-200	0,0001	±0,0035	IP-65	+		Wireless & USB
110182258	200-225	0,0001	±0,0040	IP-65	+		Wireless & USB
110182508	225-250	0,0001	±0,0040	IP-65	+		Wireless & USB
110182758	250-275	0,0001	±0,0040	IP-65	+		Wireless & USB
110183008	275-300	0,0001	±0,0040	IP-65	+		Wireless & USB
110184008	300-400	0,0001	±0,0050	IP-65	+		Wireless & USB
110185008	400-500	0,0001	±0,0050	IP-65	+		Wireless & USB
110186008	500-600	0,0001	±0,0060	IP-65	+		Wireless & USB
110187008	600-700	0,0001	±0,0070	IP-65	+		Wireless & USB
110188008	700-800	0,0001	±0,0080	IP-65	+		Wireless & USB
110189008	800-900	0,0001	±0,0100	IP-65	+		Wireless & USB
110189908	900-1000	0,0001	±0,0100	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 neccesery transfer all data to the peripheral device with no data loosing.

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 Aviable 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

COLOR TOUCHSCREEN

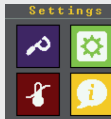


ZERO SETTING

mm mm/inch

BATTERY LEVEL

SETTING MENU



SELECTING SETTINGS

- DEVICE SETTING
- EXTRA (math. correction)
- SYSTEM
- ABOUT

HIGHEST RESOLUTION



RESOLUTION UP TO
0,1 micron

INTERNAL MEMORY



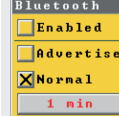
- SAVING VALUES
- TRANSFER VALUES FROM MEMORY WIRELESS TO PC OR TABLET

RECHARGEABLE BATTERY



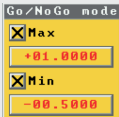
SWITCH ON CHARGING DEVICE FOR
INTERNAL LI-POL BATTERY CHARGING
RECOMMENDED TO STARTING
CHARGING WHEN DEVICE SWITCH OFF

BLUETOOTH DATA TRANSFER



- SWITCH ON/OFF BLUETOOTH DATA TRANSFER
- SELECTING BLUETOOTH TRANSFER MODE
- SELECT TRANSFER ON TIMER

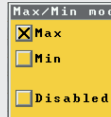
GO/NOGO FUNCTIONS



SETTING TOLERANCES
and WARNING LIMITS

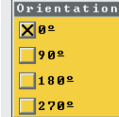
Green - Go
Red - NoGo

MIN/MAX FUNCTIONS



INDICATING MIN or MAX
value

DISPLAY ORIENTATION



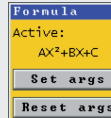
SELECTING DISPLAY
ORIENTATION ANGLE

TIMER MODE



ACTIVATING SAVING
VALUE TO MEMORY ON
TIMER

FORMULA MODE



SETTING ARGUMENTS

EXAMPLES:
- for value magnification $x2$ - $B=2$
- set base of value 100mm $C=100$
- square value $A=1$

ENERGY MODE



AUTOSWITCH ON/OFF

ERROR COMPENSATION



INCREASING DEVICE ACCURACY
- compensate current value to correct value (use gauge block)
- more points improve accuracy
- error compensation also will be between corrected values

TEMPERATURE COMPENSATION



- Compensation for temperature expansion materials:
Glass, Steel, Aluminium, Cooper
- Manual or Automatic mode
- Built in temperature sensor

USB DATA TRANSFER

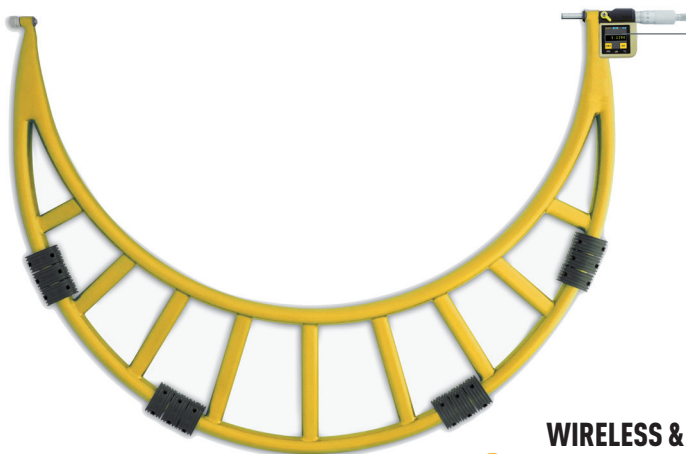


USB DATA TRANSFER MODE
- UART - transfer to MDS Software
- Keyboard mode - transfer to any Windows software





4. INSTRUMENT FIGURE



Resolution 0,1 micron
Colour Touchscreen

**WIRELESS & USB
DATA OUTPUT**



**SPC- Software
MicrotechDataPro**



ANDROID



iOS



Saving data
to xls. csv
formats



Export data
to Cloud



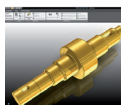
**SPC- Software
MicrotechDataPro**



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



Export data
to Cloud

Change without prior notice

Edition: M1119_1118

