

SUB-MICRON INTELLIGENT COMPUTERIZED MICROMETER HEAD

USER MANUAL





SPECIFICATION

Item No	Range	Resolution	Accuracy	Data output	Data output	
	mm	mm	mm		USB	Wireless
110181027	0-25	0,0001	±0,002	Error & Temp comp. Preset. Memory Max/Min Limits	+	+

Parameters			
LED display	color 1,5 inch		
Power supply	Rechargeable Li-Pol battery		
Lifetime	>80h (Medium brightness)		
Charging port	micro-USB		
Case material	Aluminium		
Buttons	Switch, Reset		
Wireless data transfer	10m without external antenna 50m with external antenna (from set)		



PRECISION MEASUREMENTS MICROTECH computerized micrometer with 0.1 resolution can be used for high precisor measurements in manufacturing, automotive medical industry and for calibration



FORMULA MODE In Formula mode we use Ax2+Bx+C Main using of this function is: - Preset function

- Magnification of measured value For customers request Formula can be updated



COLOR GO/NOGO INDICATION Easy and quick limits control. It's possible setup max and min value throw menu. Color indication reduce possibility of error during control



ERROR COMPENSATION It's possible to make mathematical error compensation. Just re-calibrate micrometer with gauge block set and save results. Micrometer will indicate measuring results include re-calibration.



INTERNAL MEMORY Computerized micrometer has memory manger with possibility saving data to folders. Separate Data's or Folders can be transfer Wireless to MICROTECH Software (Windows, Android,iOS)



TEMPERATURE COMPENSATION Temperature compensation function gives possibility recalculate details sizes with high or low temperatures to normal (20C conditions). Available recalculation for 7 materials

SWITCH ON DEVICE - button push (1 sec)

SWITCH OFF DEVICE - auto switch off (configurating throw DISPLAY SETTING menu)

- button push (3 sec)



Clean the oil from the measuring surfaces of micrometer by cloth.

Turn on micrometer by pressing SWITCH ON button.

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.

For zero setting, press the ZERO button on Touchscreen.

CHARGING

For charging connect USB cable





BUILT-IN BATTERY - rechargeable Li-Pol battery

Charging process indicating on Battery status (switch on device)

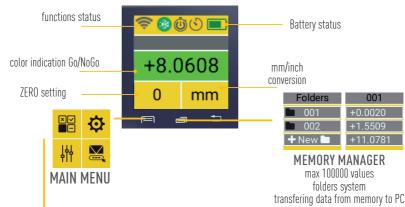


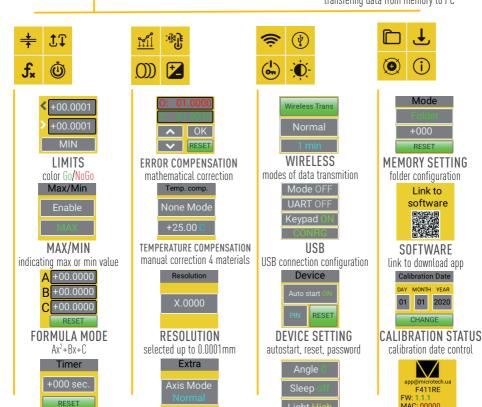






MENU NAVIGATION





AXIS MODE

normal or inverted

TIMER MODE

saving or transfer data on timer



F411RE

DEVICE INFO

service info about device

MAC: 00000

SCREEN SETTING

screen rotation, brightness













UP TO 50M

WIRELESS CONNECTION



IMPORT FROM FILE OR CAMERA









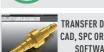
TO XLS, CSV

FORMATS











SAVING **GRAPH**













VOICE MODE



VOICE MODE



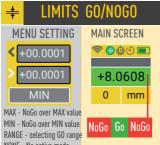
- You can collect data to memory and when it will be neccesary transfer all data to the peripheral device with no data loosing. •It's possible transfer data, like in Wireless instruments up to 15 m
- or up 50 m with external antenna
- •USB port can be used to transfer data directly to Windows PC

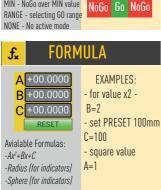


QUALITY CONTROL RESULTS

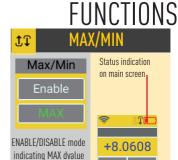


MICROTECH

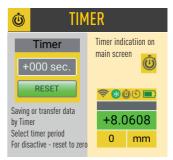


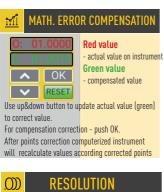






indicating MIN value











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



FUNCTIONS























0.1µm



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: M1030_0520