



SUB-MICRON COMPUTERIZED MICROMETER HEAD USER MANUAL



Calibration ISO 17025:2017



ISO 9001:2015

SPECIFICATION

Item No	Ra	nge	Resolution		Accuracy	Protection class	Indication	Data output	Calibration	
	mm	inch	mm	inch	μm			Wireless	ISO 17025	
110180027	0-25	0-1"		0.00001"	±2	IP-65	computerized	max 50m	+	
110181057	0-50	0-2"	0,0001		±3	IP-65	MICS system with 1,54" touchscreen	max 50m	+	

TECHNICAL DATA

Parameters	
LED display	color 1,54 inch
Resolution	240x240
Indication system	MICS 3.0
Power supply	Rechargeable Li-Pol battery
Battery capacity	450-800 mAh (depends of device)
Charging port	micro-USB
Case material	Aluminium
Buttons	Switch (Multifuntional), Reset
Wireless data transfer	up to 50m on open area

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.

MAIN INFO



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



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



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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)



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



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.



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

CHARGING





WIRELESS DATA TRANSFER

Activate WIRELESS data transfer in WIRELESS menu

Switch on Wireless data transmition -Activating multifunctional button to save value to _____ memory or send data by touchscreeb ur button push

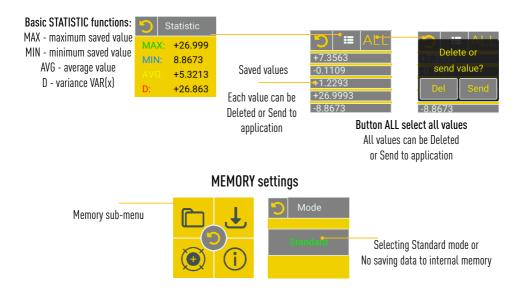


Connect instrument with MICS indication system to Tablet or PC Send data tp Tablet or PC:

- by Touchscreen
- by Multifactinal button psuh (activted in Wireless menu)
- by Timer (activated in Timer menu)
- from Internal Memory

MEMORY

For save measuring data to internal caliper's memory touch data area on screen or short button push. You can view saved data throw menu or send Wireless connection to Windows PC, Android or iOS devices.





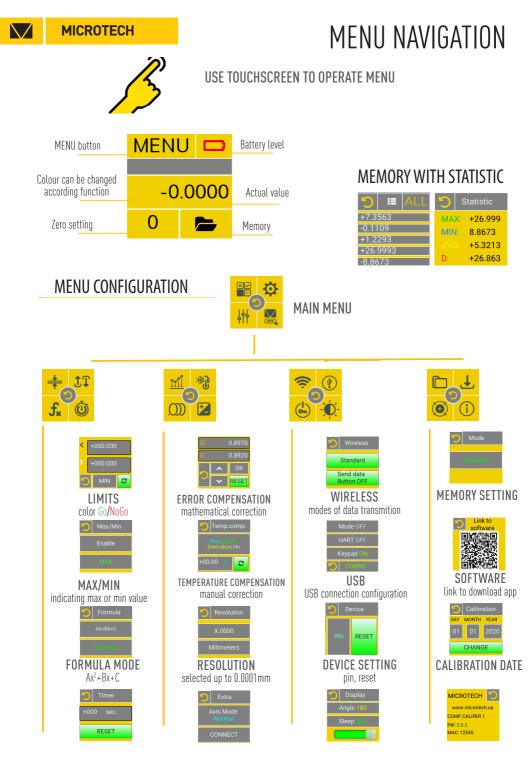
CONNECTION







DATA TRANSFER DISTANCE FOR INTELLIGENT INSTRUMENTS •All MICROTECH Intelligent instruments has internal memory. 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



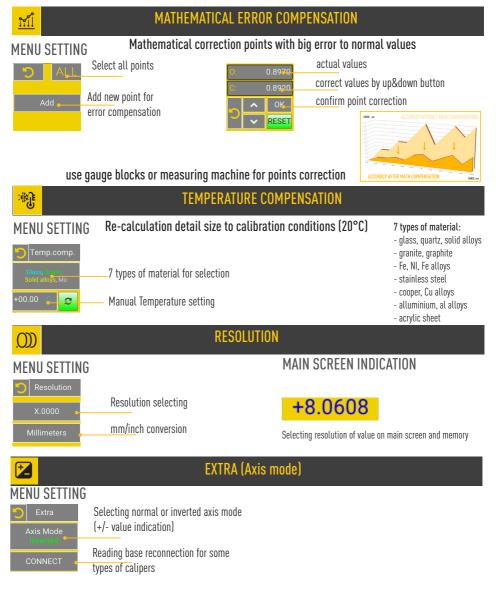
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<u>+</u>	LIMITS GO/NOGO									
MENU SETTING	Colour indication limit	MAIN SCREEN INDICATION								
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RANGE C Zero values			0 📂		0	mm				
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MENU SETTING	MAIN SCREEN INDICATION									
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	dicating MAX measured value dicating MIN measured value		0		0					
			MIN		M	AX				
	FORMULA									
MENU SETTING	FORMULA <i>Ax²+Bx+C</i>	E	XAMPLE OF	FORM	1ULA l	ISING				
Formula Formula:	Long push digit	Standar	l measuring	A=0.	B=1.	C=0				
AX+BX+C A	+001.000 to select value	PRESET	PRESET 50mm		B=1,	C=50				
Set Argy	+000.000	Value m Square v	agnification x3		B=3, B=0.	C=0 C=0				
	Reset to zero arguments	Square	dlue	A=1,	D=0,	C=0				
<u></u>	TIMER									
MENU SETTING	Saving data to memory or sending	y Wirele	ss by Timer							
Timer +000 sec.	Colort times paried	Timer Confirm								
RESET	Select timer period Reset to disactivate mode	reset? Yes N	D							





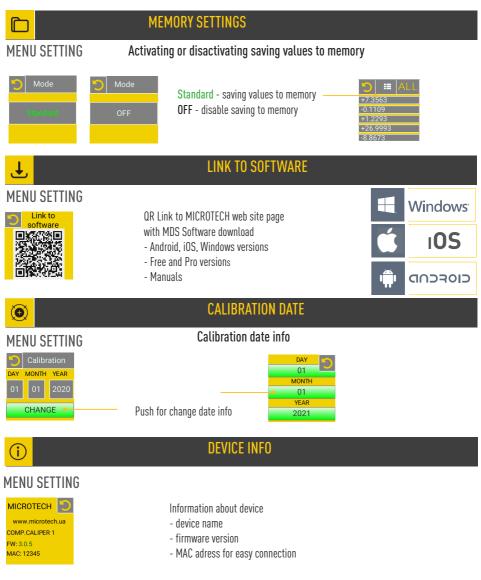




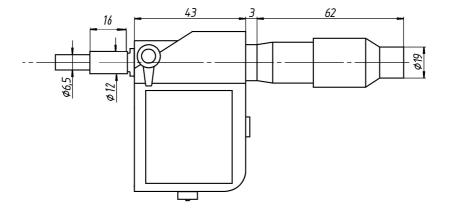








DIMESIONAL DRAWINGS



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innovative measuring instruments

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Change without prior notice