



TUBE SUB-MICRON COMPUTERIZED MICROMETER

USER MANUAL



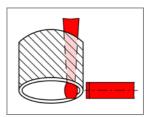
Calibration ISO 17025:2017



ISO 9001:2015

SPECIFICATION

Item No	Range		Resolution	Accuracy	Tube D	Display	Protection	Data output	
	mm	inch	mm	μm	mm				
1103500358	0-25	0-1"		±2	1.8		IP-65		
1103500258	0-20	0-1		±2	4.7	Color 1.5" Touch-	IP-65	WIRELESS+USB	
1103500508	25-50	1-2"	0,0001	±2			IP-65		
1103500758	50-75	2-3"		±3	4./	screen	IP-65		
1103500108	75-100	3-4"		±3			IP-65		



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 mAh
Charging port	micro-USB
Case material	Aluminium
Buttons	Switch (Multifuntional), Reset
Wireless data transfer	Long range

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



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

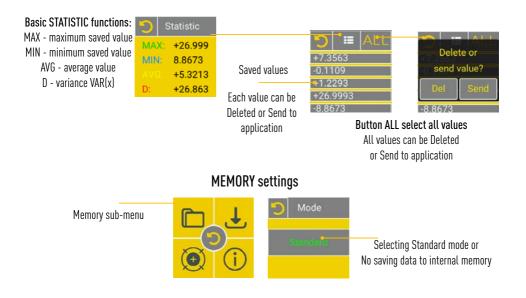


Connect instrument with MICS indication system to Tablet or PC Send data tp Tablet or PC:

- by Touchscreen
- by Multifunctinal button push (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.



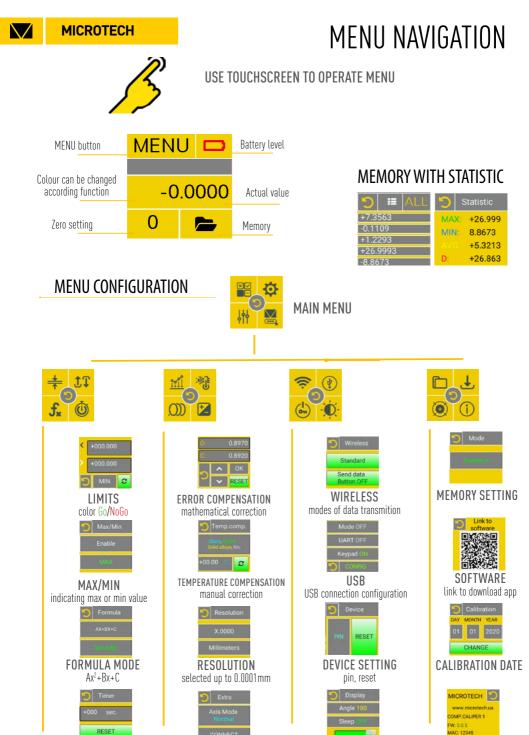


CONNECTION



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



MICS SYSTEM FUNCTIONS

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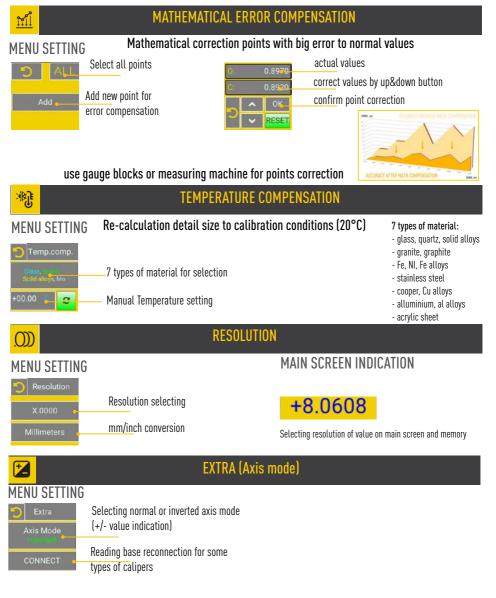


<u>+</u>	LIMITS GO/NOGO						
MENU SETTING	Colour indication limit	S	MAIN SCREEN INDICATION				
< +000.000 MAX value	e MAX - NoGo more MAX value		MENU 🗖)	? 🛞 () 🕑 🗖	
> +000.000 MIN value			-10.00	5	+8.0	608	
RANGE ZERO VALUE	RANGE - Go between MIN & MAX NONE - disactivating mode		0 🛌		0	mm	
			NoGo		Go)	
tŢ MAX/MIN							
MENU SETTING	Indication and saving MAX or MIN	values	MAIN SCR	EEN I	NDICA	TION	
Max/Min			MENU 🗖)	MENU	J 🗖	
Enable		-2.9184		7.2241			
	ndicating MAX measured value ndicating MIN measured value		0		0		
			MIN		M	AX	
<mark>∫</mark> ∗	FORMULA						
MENU SETTING	FORMULA <i>Ax²+Bx+C</i>	E>	(AMPLE OF	FORM	1ULA L	ISING	
Sormula Formula:	Long push digit	Standard	measuring	۸_۸	B=1.	C=0	
AX+BX+C •	to select value	PRESET 5		A=0, A=0,	,	c=0 C=50	
- Secarge -	1000 000		gnification x3			C=0	
	Reset to zero arguments	Square va	alue	A=1,	B=0,	C=0	
<u></u>	TIMER						
MENU SETTING	Saving data to memory or sending	Wireles	s by Timer				
Timer +000 sec.	Select timer period Reset to disactivate mode	Timer Confirm reset? Yes No					



MICS SYSTEM FUNCTIONS





MICS SYSTEM FUNCTIONS



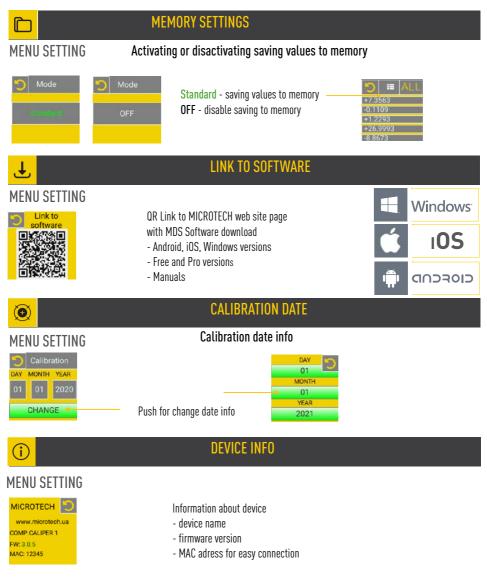
<mark>()</mark>	WIRELESS CONNECTION				
MENU SETTING	Activating or disactivating wireless data	ı transfer			
Wireless Standard Send data Button OFF	Switch on Wireless data transmition Activating multifunctional button to save value to memory or send data by touchscreeb ur button push				
(USB CONNECTION				
MENU SETTING Mode OFF UART OFF Keypad ON CONFIG	USB connection mode under constructio	n			
<mark>.</mark>	PIN & RESET				
MENU SETTING	Activating PIN to device setting	RESET to factory settings			
Device PIN RESET	1 2 3 4 5 6 7 8 9 0 < >	Confirm reset? Yes No			
-Ò-	DISPLAY SETTING				
MENU SETTING DISPLAY ROTATION, BRIGHTNESS, SLEEPING MODE					
Angle 180	lay rotation 0°, 90°, 180°, 270° - Sleep OFF (15 s low brightness off, sleep off) - Sleep 15s (15 s low brightness on, sleep off) - Sleep ON (15 s low brightness on, sleep on) ghtness level	0 0 0 0			



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MICS SYSTEM FUNCTIONS









MICROTECH

innovative measuring instruments

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Change without prior notice