

## MICRON COMPUTERIZED FORCE CALIPER

# **USER MANUAL**



Calibration ISO 17025:2017



ISO 9001:2015



### SPECIFICATION

Item No	Rai	nge	Resol	ution	Accuracy	External Force	Protection
	mm	inch	mm	inch	μm	Ν	
141097321	0-300	0-12"	0,001	0.0002	±15	8	IP54

### **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

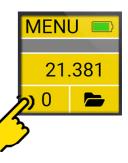
Clean the oil from the measuring surfaces of caliper by cloth. For recharging caliper (Li-Pol rechargeable battery) connect it with standard USB cable to charger device.

DO NOT LEAVE UNCHARGED CALIPER FOR A LONG TIME. THIS MAY RESULT TO INTERNAL BATTERY FAILURE!

### BASE RECONNECTION

Sometimes, when battery was uncharges for a long time - necessery to make reading base reconnection

### PUSH ZERO button (5sec.) on main screen or quick move computerized block on all range





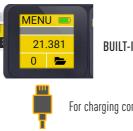




SWITCH ON DEVICE - button push (1 sec) SWITCH OFF DEVICE - button push (3 sec)/ auto switch off DATA TRANSFER - programming throw menu

ZERO SETTING - push 2 sec to ZERO setting

### CHARGING



BUILT-IN BATTERY - rechargeable Li-Pol battery

For charging connect USB cable

### FORCE CONTROL



FORCE control module 8N

For zero setting use Force control module-line inside lens must be came off with outside line. Press the **ZERO** button on Touchscreen for ZERO possition setting.

During a mesuring use Force control module to measure with optimal Force



### 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

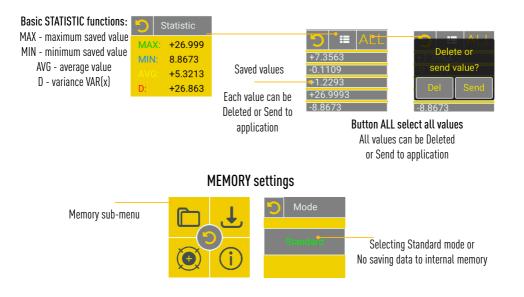


Connect instrument with MICS indication system to Tablet or PC Send data tp Tablet or PC:

- 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
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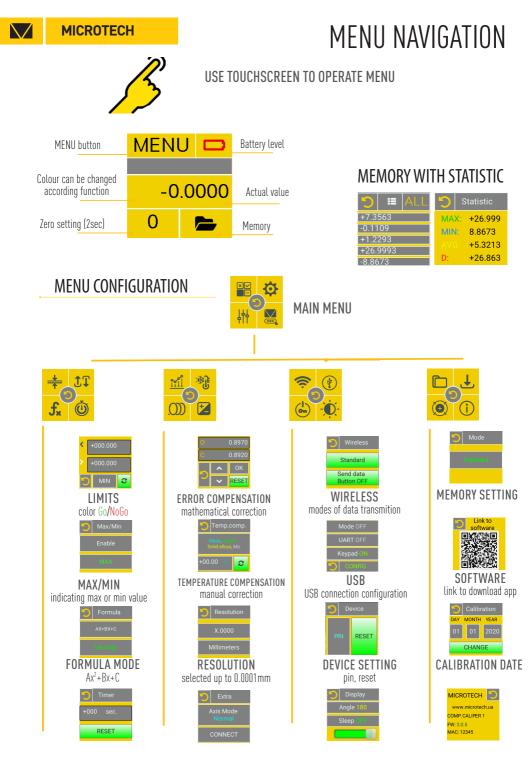
CONTROL

RESULTS



•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



### MICS SYSTEM FUNCTIONS

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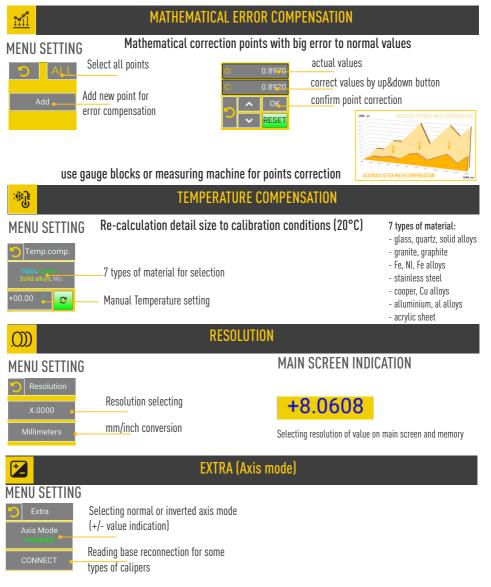


<u>+</u>	LIMITS GO/NOGO		
MENU SETTING +000.000 MAX value +000.000 MIN value RANGE 2 zero value	MIX - NoGo Less MIN value RANGE - Go between MIN & MAX	MAIN SCREEN MENU - 10.005 0 - NoGo	INDICATION
tT.	MAX/MIN		
MENU SETTING	Indication and saving MAX or MIN va	alues MAIN SCREE	N INDICATION
Enable MAX - i	E - activating mode ndicating MAX measured value ndicating MIN measured value	-2.9184 0 📂	7.2241 0 <b>E</b>
	FORMULA	MIN	MAX
MENU SETTING	FORMULA <i>Ax<sup>2</sup>+Bx+C</i>	EXAMPLE OF FO	RMULA USING
Formula AX+BX+C Set Argy	+001.000 to select value	PRESET 50mm A Value magnification x3 A	=0, B=1, C=0 =0, B=1, C=50 =0, B=3, C=0 =1, B=0, C=0
<b>Ö</b>	TIMER		
MENU SETTING	Saving data to memory or sending \	Wireless by Timer	
Timer +000 sec. RESET	Select timer period Reset to disactivate mode	Timer Confirm reset? IS No	



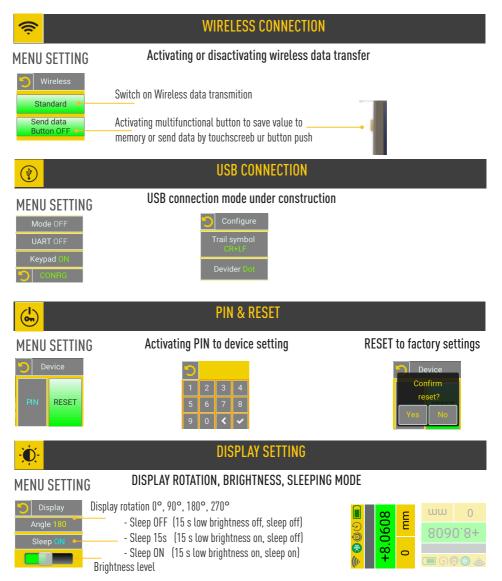
### MICS SYSTEM FUNCTIONS





## MICS SYSTEM FUNCTIONS







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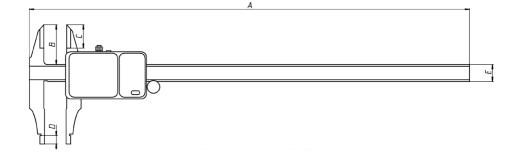
### MICS SYSTEM FUNCTIONS



	MEMORY SETTINGS	
MENU SETTING	Activating or disactivating saving values to	memory
Standard	OFF OFF OFF	•7.3563       0.1109       +1.2293       +26.9993       -8.8673
<mark>.</mark> €	LINK TO SOFTWARE	
MENU SETTING	QR Link to MICROTECH web site page	H Windows
	with MDS Software download - Android, iOS, Windows versions	<b>(</b> 105
	- Free and Pro versions - Manuals	
<b>O</b>	CALIBRATION DATE	
MENU SETTING	Calibration date info	
Calibration DAY MONTH YEAR 01 01 CHANGE	Push for change date info	
(i)	DEVICE INFO	
MENU SETTING		
MICROTECH www.microtech.ua cOMP.CALIPER 1 FW: 3.0.5 MAC: 12345	Information about device - device name - firmware version - MAC adress for easy connection	

### DIMESIONAL DRAWINGS





Danga	DIMENSIONS				
Range	A	В	С	D	E
mm	mm	mm	mm	mm	mm
0-300	413	40	24	10	17





#### MICROTECH

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