

# DEPTH COMPUTERIZED CALIPER

# **USER MANUAL**







## **SPECIFICATION**

Item No	Range		Resolution		Accuracy	Base	Waterproof	Indication	Data output	Calibration
	mm	inch	mm	inch	μm	mm			Wireless	ISO 17025
1432010157	0-150	0-6"	0,005	0.0002"	±20	102	IP54	computerized	max 50 m	+
1432010207	0-200	0-8"	0,005	0.0002"	±20	102	IP54	MICS system with 1.54"	max 50 m	+
1432010307	0-300	0-12"	0,005	0.0002"	±30	102	IP54	touchscreen	max 50 m	+

## 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!

## MAIN INFO





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 5 sec to ZERO setting

## **CHARGING**



BUILT-IN BATTERY - rechargeable Li-Pol battery



For charging connect USB cable

## BASE RECONNECTION

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

21.381 0 0

PUSH ZERO button (5sec.) on main screen



## **WIRELESS DATA TRANSFER**



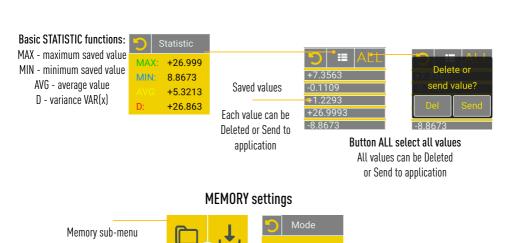
Connect instrument with MICS indication system to Tablet or PC Send data tp Tablet or PC:

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

## **MEMORY**

Selecting Standard mode or No saving data to internal 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.













WIRELESS CONNECTION



# IMPORT FROM FILE OR CAMERA





















Windows









SAVING DATA TO XLS. CSV **FORMATS** 



SAVING DATA TO XLS, CSV **FORMATS** 



SAVING DATA TO XLS. CSV **FORMATS** 



TRANSFER DATA TO CAD, SPC OR OTHER SOFTWARE



SAVING **GRAPH** 



SAVING GRAPH



TRANSFER DATA TO **EXCEL OR OTHER TABLE EDITORS** 



VOICE MODE



VOICE MODE



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



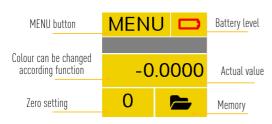
QUALITY CONTROL RESULTS



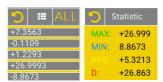
## MENU NAVIGATION



#### USE TOUCHSCREEN TO OPERATE MENU



### MFMORY WITH STATISTIC



### MENU CONFIGURATION



#### MAIN MFNII













#### LIMITS color Go/NoGo



## MAX/MIN



FORMULA MODE  $Ax^2+Bx+C$ 





## ✓ RESET FRROR COMPENSATION



#### TEMPERATURE COMPENSATION manual correction



#### RESOLUTION selected up to 0.0001mm





#### WIRELESS modes of data transmition



#### USB USB connection configuration



#### **DEVICE SETTING** pin, reset





#### MEMORY SETTING



SOFTWARE link to download app

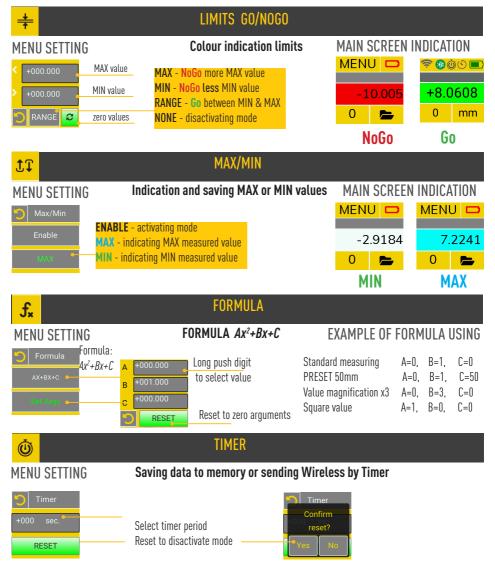


#### CALIBRATION DATE











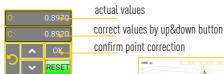




### MATHEMATICAL ERROR COMPENSATION

#### Mathematical correction points with big error to normal values MENII SETTING





use gauge blocks or measuring machine for points correction



### **TEMPERATURE COMPENSATION**

#### Re-calculation detail size to calibration conditions (20°C) MENII SETTING

Manual Temperature setting

.7 types of material for selection

7 types of material:

- glass, quartz, solid alloys
- granite, graphite
- Fe, NI, Fe alloys
- stainless steel
- cooper, Cu alloys
- alluminium, al alloys
- acrylic sheet

## **RESOLUTION**

#### MENU SETTING

Resolution selecting mm/inch conversion

#### MAIN SCREEN INDICATION

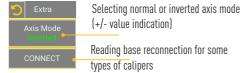
+8.0608

Selecting resolution of value on main screen and memory



## **EXTRA (Axis mode)**

### MENU SETTING









### **WIRELESS CONNECTION**

#### MENU SETTING

#### Activating or disactivating wireless data transfer





### **USB CONNECTION**

#### MENU SETTING



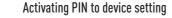






### PIN & RESET

#### MENU SETTING







## **RESET to factory settings**

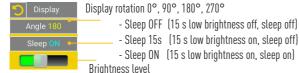




### **DISPLAY SETTING**

#### MENU SETTING

#### DISPLAY ROTATION, BRIGHTNESS, SLEEPING MODE











### **MEMORY SETTINGS**

#### MENU SETTING

Activating or disactivating saving values to memory





Standard - saving values to memory OFF - disable saving to memory





## LINK TO SOFTWARE

#### MENU SETTING



QR Link to MICROTECH web site page with MDS Software download

- Android, iOS, Windows versions
- Free and Pro versions
- Manuals



Windows



ıOS



CIOFCUD



## **CALIBRATION DATE**

## MENU SETTING

### Calibration date info







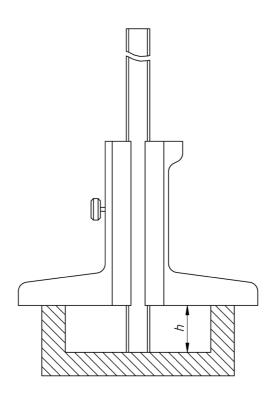
## **DEVICE INFO**

#### MENU SETTING



Information about device

- device name
- firmware version
- MAC adress for easy connection







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