



# DataMet INDICATOR



ISO17025:2017



ISO 9001:2015

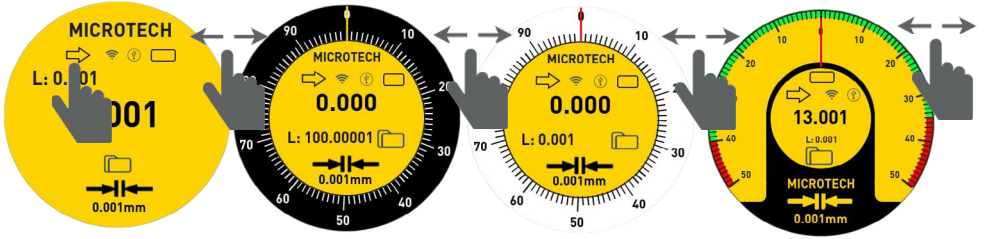
## USER MANUAL


Item No	Range		Resol.	Accu- racy	Hyste- resis	Force	Preset	Go/NoGo	Max/Min	Formula	Timer	Temp comp	Linear corr	Calibr date	FW update	Recharge	Memory	WIRELESS	USB			
	mm	inch																		mm	µm	µm
120137133	0-12.5	0-0.5"	0,0002	±3	0,5	0,6-1	•	•	•	•	•	•	•	•	•	•	65500 val	Long range / HID	USB HID / Update			
120137135				±2			•	•	•	•	•	•	•	•	•	•						
120137136				±1.5			•	•	•	•	•	•	•	•	•	•				•		
120137138				±1.0			•	•	•	•	•	•	•	•	•	•				•		
120137253	0-25,4	0-1"		±3		0,7-1.2	•	•	•	•	•	•	•	•	•	•				•	•	
120137255				±2			•	•	•	•	•	•	•	•	•	•				•		
120137256				±1.5			•	•	•	•	•	•	•	•	•	•				•		
120137303	0-30	0-1.2"		±3		1,2-2.2	•	•	•	•	•	•	•	•	•	•				•	•	
120137305				±2			•	•	•	•	•	•	•	•	•	•				•		
120137502	0-50,8	0-2"		±5		3,2-5.2	•	•	•	•	•	•	•	•	•	•				•	•	•
120137503				±3			•	•	•	•	•	•	•	•	•	•				•	•	
120137505				±2			•	•	•	•	•	•	•	•	•	•				•	•	
120137902				±5			•	•	•	•	•	•	•	•	•	•				•	•	
120137903	0-100	0-4"		±3		0,6-1	•	•	•	•	•	•	•	•	•	•				•	•	•
120137952				±7			•	•	•	•	•	•	•	•	•	•				•	•	
120137953				±4			•	•	•	•	•	•	•	•	•	•				•	•	
120137953	0-150	0-6"	±9	0,7-1.2	•	•	•	•	•	•	•	•	•	•	•	•	•					
120137962			±4		•	•	•	•	•	•	•	•	•	•	•	•						
120137962	0-200	0-8"	±5	1,2-2.2	•	•	•	•	•	•	•	•	•	•	•	•	•					
120137963			±5		•	•	•	•	•	•	•	•	•	•	•	•						

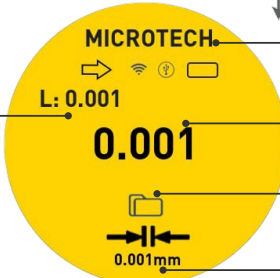
## TECHNICAL DATA


Parameters	
LED display	color 1,8 inch
Resolution	360x360
Indication system	MICS 5.0
Power supply	Rechargeable Li-Pol battery
Battery capacity	600 mAh
Charging/Data port	USB-C
Case material	Aluminium
Buttons	Switch (Multifuntional)
Wireless data transfer	Long range / HID

# MAIN SCREEN





**4 DIALS:** Digital/Dial black, Dial white, Comparator  
For selecting dial- swipe (left-right) or push 



MENU- MICROTECH short PUSH or UPPER swipe 

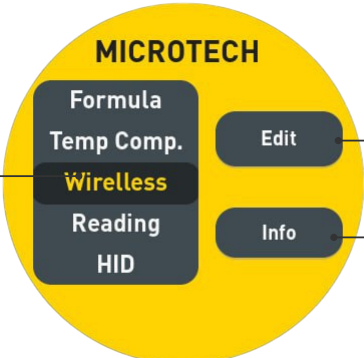
ZERO- Long PUSH (2s)

MEMORY- short PUSH  or LOWER swipe 

Resolution - Short PUSH Unit - Long PUSH (2s)

Last saved value

# MENU



Select setting

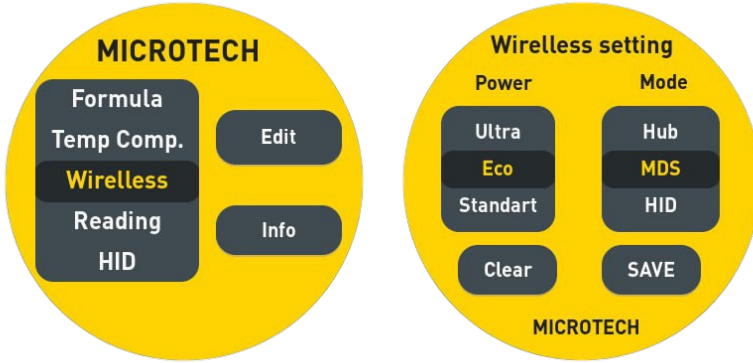
Edit settings

Device Info



Push physical button to exit to the main screen

Activate WIRELESS data transfer in WIRELESS menu



Data transfer POWER settings: ECO/STANDARD/ULTRA

Data transfer modes:

**MDS mode** - transfer Data from device to MDS app.

for Windows, Android, iOS, MacOS



**HID mode** - transfer Data in HID mode direct to any app and system, like keyboard. It's possible to configure HID protocol in HID menu.

**HUB mode** - 2D/Probe connections with other MICROTECH DataMet instruments. Connecting in Slave or Master modes

*Push SAVE button after selecting Mode*

*Check connection and data transfer possibilities on MICROTECH connection book*

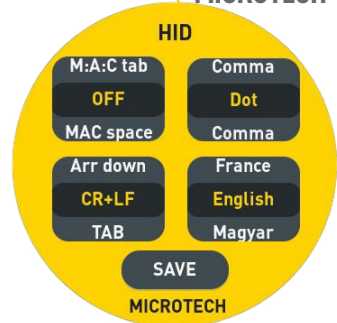


# HID MODE

Configuring HID data transfer protocol for WIRELESS HID or USB HID

*HID configurations:*

- MAC address format. Can be OFF
- Last symbol: Arr down/CR+LF/Tab
- Dot/Comma in data format
- Localization format



**USB HID** mode automatically activating after connecting to computer or Tablet (USB OTG) with Data cable

**WIRELESS HID** mode activating in WIRELESS setting menu

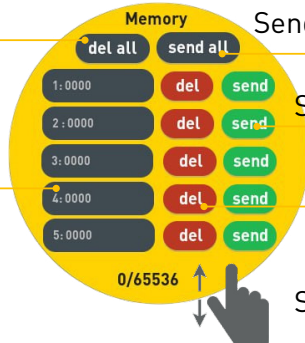
*Push SAVE button after selecting Mode*



# MEMORY

Delete all data from Memory

Actual values from Memory



Send all data WIRELESS or USB HID

Send data WIRELESS or USB HID

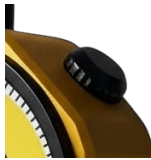
Delete actual data from Memory

Swipe UP/DOWN to view all data

- Memory capacity 65536 values
- How to save data to Memory:



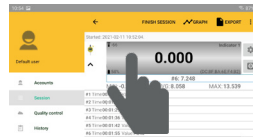
Touchscreeh short push



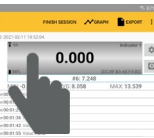
Button short push



Device Timer



MDS app push



MDS app timer

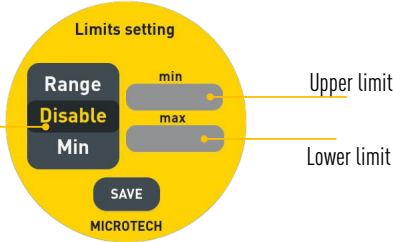


Optional button/footswitch

- It's possible transfer data from memory WIRELESS to MDS app's, WIRELESS HID or USB HID (like keyboard direct to any app's and OS)

## LIMITS mode GO/NOGO

MAX - NoGo more Upper limit  
 MIN - NoGo less Lower limit  
 RANGE - Go between Limits



## PEAK mode MAX/MIN/MODULE/RANGE

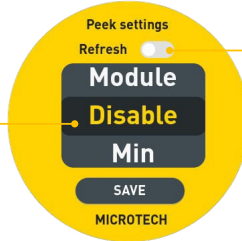
**DISABLE** - non active mode

**MAX** - indicating MAX measured value

**MIN** - indicating MIN measured value

**MODULE** - indicating MAX module

**RANGE** - indicating deviation between MAX and MIN



**REFRESH** - refresh PEAK value according timer

## TIMER mode

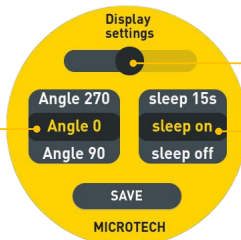


TIMER ON/OFF

Select timer period

## DISPLAY settings

Display rotation 0°, 90°, 180°, 270°



Brightness level

Sleep OFF (15 s low brightness off, sleep off)

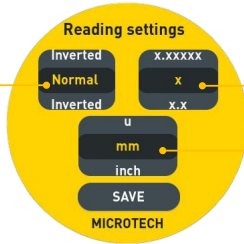
Sleep 15s (15 s low brightness on, sleep off)

Sleep ON (15 s low brightness on, sleep on)

# FUNCTIONS

## RESOLUTION selection

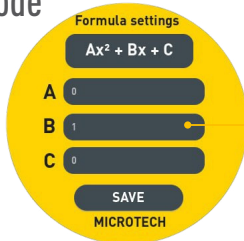
Selecting normal or inverted axis mode (+/- value indication)



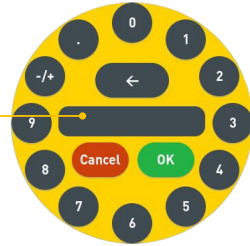
Resolution selecting

mm/inch conversion

## FORMULA mode



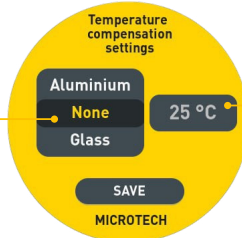
Select arguments



## TEMPERATURE compensation

4 types of material for selection:

- Glass, Quartz
- Stainless steel
- Cuprum and alloys
- Alluminium and alloys



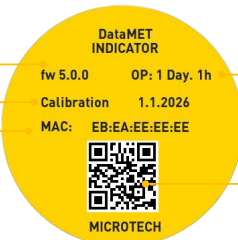
Manual temperature selection

## Device INFO

Firmware version

Calibration date

MAC address



Device operation time

Link to MICROTECH web-site



 **MICROTECH** est. 1995

UKRAINIAN CREATIVITY - EUROPEAN RELIABILITY

**MICROTECH Ukraine** [www.microtech.ua](http://www.microtech.ua)

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 **YouTube**  **LinkedIn**



Change without prior notice