

MICROTECH 120139908 Tablet Wireless Plunger Indicator User Manual

Contents

1 MICROTECH

1.1 SUB-MICRON TABLET COMPUTERIZED INDICATOR

1.2 USER MANUAL

1.2.1 SPECIFICATION

1.2.2 TECHNICAL DATA

1.2.3 MAIN INFO

1.2.4 DOWNLOAD APP

1.2.5 DATA TRANSFER

1.2.5.1 3 MODES OF DATA TRANSFER (USB + 2 WIRELESS MODES)

1.2.5.2 7 WAYS HOW TO TRANSFER DATA TO PC OR TABLET

1.2.6 MAIN SCREEN

1.2.7 MAIN SCREEN on 2D mode

1.2.8 FUNCTIONS

1.2.8.1 LIMITS mode GO/NOGO

1.2.8.2 PEAK mode MAX/MIN/MODULE/RANGE

1.2.8.3 TIMER mode

1.2.8.4 FORMULA mode

1.2.8.5 RESOLUTION selection

1.2.8.6 DISPLAY settings

1.2.8.7 LINEAR error compensation

1.2.8.8 TEMP compensation

1.2.8.9 WIRELESS data transfer

1.2.8.10 USB OTG data transfer

1.2.8.11 HUB connection

1.2.8.12 LINK to app's

1.2.8.13 RESET to Factory settings

1.2.8.14 EXTRA

1.2.8.15 MEMORY manager setting

1.2.8.16 CALIBRATION date info

1.2.8.17 Device INFO

1.2.9 INDUSTRY 4.0 INSTRUMENTS

2 Documents / Resources

2.1 References

3 Related Posts



SUB-MICRON TABLET COMPUTERIZED INDICATOR

USER MANUAL



ISO17025:2017



ISO 9001:2015

www.microtech.ua

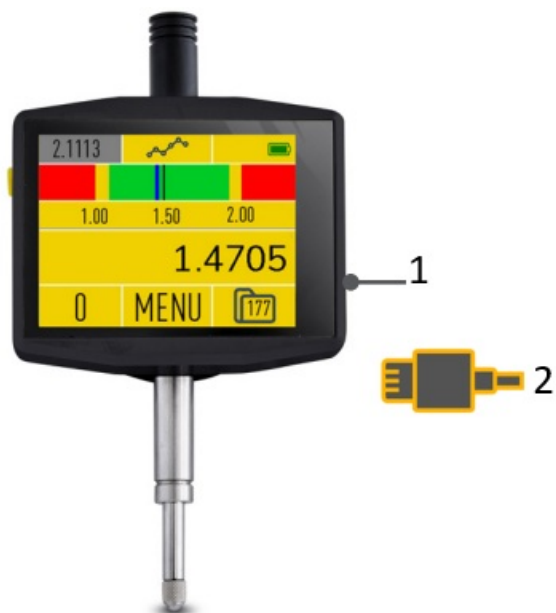
SPECIFICATION

Item No	Range		Resoluti on	Accura cy	Hystere sis	Force	Protecti on	Display	Data output
	mm	inch	mm	µm	µm	N			
120139135	0-12,5	0-0,5”	0,0001	±3,0	0,5	0,6-1	IP54	Color 2,4” touchscreen	WIRELESS+USB
120139137				±2,0			IP54		
120139138				±1,6			IP54		
120139139				±1,2			IP54		
120139257	0-25,4	0-1”		±3,0		0.7-1.2	IP54		
120139258				±2,0			IP54		
120139259				±1,6			IP54		
120139508	0-50,8	0-2”		±3,0		1,2-2,2	IP54		
120139509				±2,2			IP54		
120139907	0-100	0-4”		±5,0		3.2-5.2	IP54		
120139908				±3,5			IP54		

TECHNICAL DATA

Parameters	
LED display	color 2,4 inch 320×240
Indication system	MICS 4.0
Power supply	Rechargeable Li-Pol battery 500 mAh
Charging port	micro-USB
Case material	Aluminium
Wireless data transfer	Long range / HID
USB data transfer	USB HID

MAIN INFO



1. **SWITCH ON DEVICE** – button push (1 sec)
SWITCH OFF DEVICE – button push (3 sec)/ auto switch off
DATA TRANSFER – programming throw menu
2. **BUILT-IN BATTERY** – rechargeable Li-Pol battery

DOWNLOAD APP



DOWNLOAD MDS APP FOR MICROTECH DEVICES WIRELESS CONNECTION FROM www.microtech.ua, Google Play & App Store

DATA TRANSFER

3 MODES OF DATA TRANSFER (USB + 2 WIRELESS MODES)

WIRELESS CONNECTION TO MDS APP

WIRELESS data transfer to MICROTECH MDS app for Windows, Android, iOS





FREE SOFTWARE



NO DONGLE



SAVING DATA TO XLS. CSV FORMATS



TRANSFER DATA TO CAD, SPC OR OTHER SOFTWARE



TRANSFER DATA TO EXCEL OR OTHER TABLE EDITORS



SAVING GRAPH

WIRELESS HID CONNECTION

USB HID CONNECTION

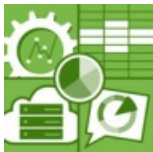


NO DONGLE

WIRELESS HID and USB HID data transfer (like keyboard) direct to any customers app and system



TRANSFER DATA TO CAD, SPC OR OTHER SOFTWARE

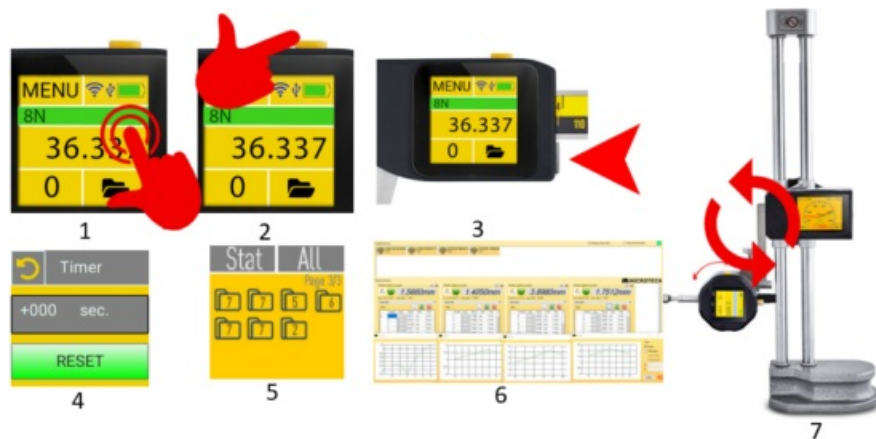


TRANSFER DATA TO EXCEL OR OTHER TABLE EDITORS



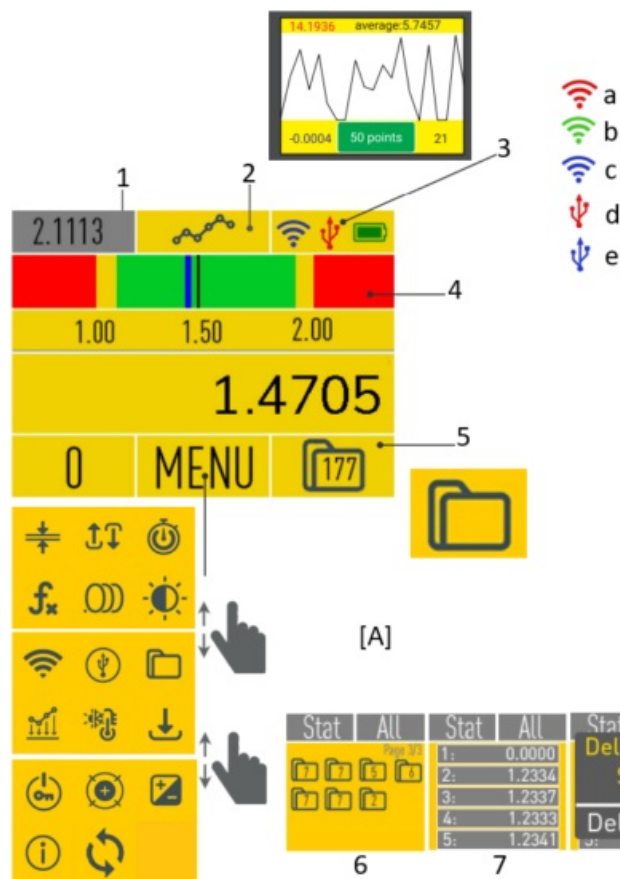
TRANSFER DATA TO ANY BROWSER OR APP

7 WAYS HOW TO TRANSFER DATA TO PC OR TABLET



1. TOUCHSCREEN TAP
2. BUTTON PUSH
3. SELECTED FORCE
4. BY TIMER
5. FROM MEMORY
6. IN MDS APP
7. FROM PAIRED DEVICE

MAIN SCREEN



1. LAST VALUE

2. ON-LINE GRAPHIC MODE

3. CONNECTION STATUS

- a: WIRELESS DISCONNECTED
- b: WIRELESS CONNECTED
- c: WIRELESS HID CONNECTED
- d: USB HID DISCONNECTED
- e: USB HID CONNECTED

4. ANALOG SCALE

5. MEMORY

STANDARD or FOLDER system can be activated throw MEMORY menu

6. FOLDERS SYSTEM

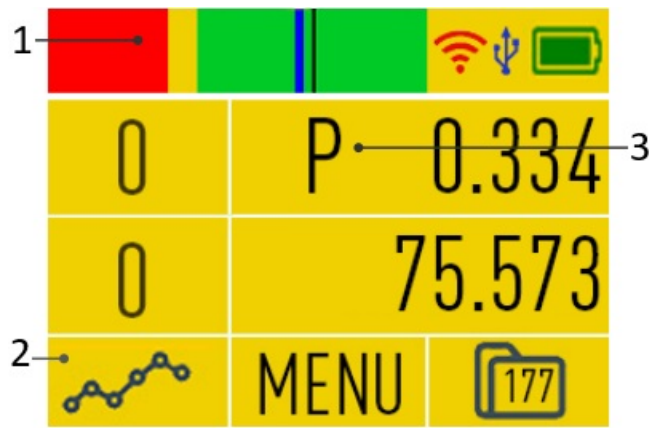
7. MEMORY 2000 val.

8. MEMORY EXPORT

9. STATISTIC

[A]: For save measuring data to internal device memory touch data area on screen or button push. You can view saved data or send by WIRELESS or USB connection to Windows PC, Android or iOS It's possible to use Standard or Folders memory modes

MAIN SCREEN on 2D mode



1. **ANALOG SCALE FOR PROBE MODE**

2. **ON-LINE GRAPHIC MODE**

3. **2D and HUB mode**

PROBE -Saving data when Probe will reach value

PROBE Auto – Saving data when Probe will reach value with this value compensation

2D – 2 axis data reading

2D Sync– Synchronized 2 axis data reading

FUNCTIONS

LIMITS mode GO/NOGO



COLOR INDICATION LIMITS ON MAIN SCREEN Go NoGo



1. **MAX** – NoGo more Upper limit

MIN – NoGo less Lower limit

RANGE – Go between Limits

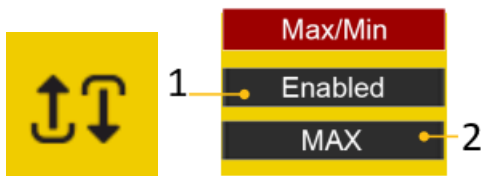
SCALE – Analog scale active

2. Upper limit

3. Lower limit

4. Yellow zone on analog scale

PEAK mode MAX/MIN/MODULE/RANGE



1. **DISABLE** – non active mode
ENABLE – activating mode
REFRESH – refresh peak value according timer
2. **MAX** – indicating MAX measured value
MIN – indicating MIN measured value
MODULE – indicating MAX module
RANGE – indicating deviation between MAX and MIN

TIMER mode

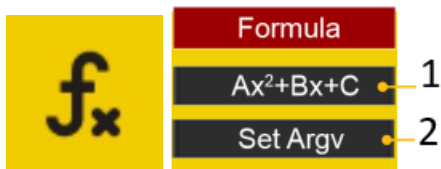


SAVING DATA TO MEMORY OR SENDING WIRELESS/USB BY TIMER



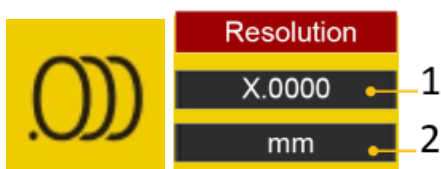
1. Select timer period
2. Reset to deactivate mode

FORMULA mode



1. Select FORMULA Type (Math, Radius or other)
2. Select arguments

RESOLUTION selection



1. Resolution selecting
2. mm/inch conversion

DISPLAY settings

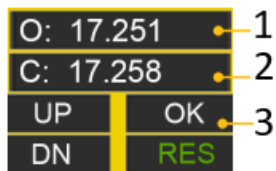


1. Sleep OFF (15 s low brightness off, sleep off)
Sleep 15s (15 s low brightness on, sleep off)
Sleep ON (15 s low brightness on, sleep on)
2. Display rotation 0°, 90°, 180°, 270°
3. Brightness level

LINEAR error compensation

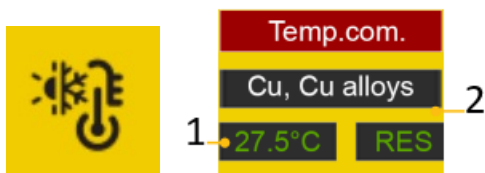


Re-calculation detail size to calibration conditions (20°C)



1. actual values
2. correct values by up & down button
3. confirm point correction

TEMP compensation



1. Manual Temperature setting
2. 4 types of material for selection:
 - Glass, Quartz
 - Stainless steel
 - Cuprum and alloys
 - Aluminium and alloys

WIRELESS data transfer



1. Reconnection button
2. Wireless power regulation
3. **ON** – WIRELESS data transfer to MDS App for Android, iOS, Windows
HID – WIRELESS HID direct transfer data to any App in Windows, MacOS, Linux, Android devices (like keyboard). Configure data format in USB sub-menu
2D-S – Slave device on WIRELESS connection on HUB mode
2D-M – Master device on WIRELESS connection on HUB mode

USB OTG data transfer

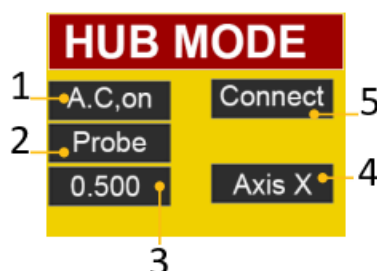


1. **Connect USB cable to PC & Activate USB HID connection mode**
Select setting of data transfer
Direct transfer data to any App in Windows, MacOS, Linux, Android devices
Configuring data transfer Dot/Comma and Tab/Arrow Down/CR+LF

HUB connection



PROBE MODE



1. **A.C. on** – Auto Connection active
A.C. off – Auto Connection no active

2. **PROBE** -Saving data when Probe will reach value

PROBE Auto – Saving data when Probe will reach value with this value compensation

2D – 2 axis data reading

2D Sync– Synchronized2 axis data reading

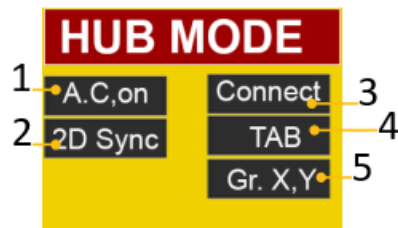
Disable – switch off modes

3. Setting PROBE limit value

4. Axis priority selecting

5. External Wireless device connection

2D MODE



1. **A.C. on** – Auto Connection active

A.C. off – Auto Connection no active

2. **PROBE** -Saving data when Probe will reach value

PROBE Auto – Saving data when Probe will reach value with this value compensation

2D – 2 axis data reading

2D Sync – Synchronized2 axis data reading

Disable – switch off modes

3. External Wireless device connection

4. Symbol between Axis

5. Graphic mode indication setting

LINK to app's



QR Link to MICROTECH web site page with MDS Software download

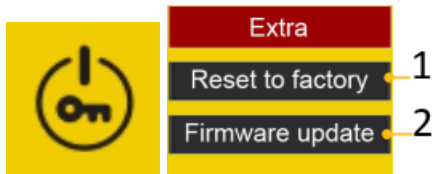
– Android, iOS, Windows versions

– Free and Pro versions

– Manuals

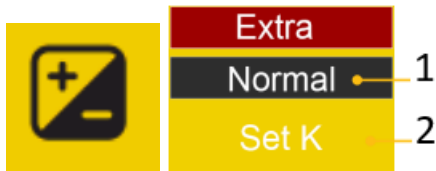


RESET to Factory settings



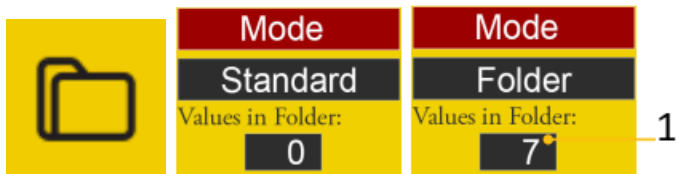
1. Push 10 times to RESET device to factory settings
2. Push 10 times to FIRMWARE UPDATE

EXTRA



1. Selecting normal or inverted axis mode (+/- value indication)
2. Coefficient setting (for distributor and calibration only)

MEMORY manager setting



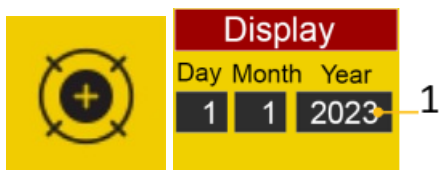
1. Values in each Folder

Activating STANDARD or FOLDER SYSTEM



FOLDERS SYSTEM

CALIBRATION date info



1. Push for change calibration date info

Device INFO



Information about device

- Firmware version
- MAC address for WIRELESS connection

INDUSTRY 4.0 INSTRUMENTS



FORCE CONTROL
1-20N



Change without prior notice

MICROTECH

innovative measuring instruments

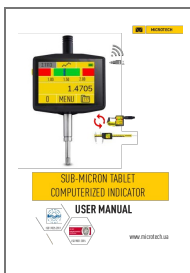
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Documents / Resources



[MICROTECH 120139908 Tablet Wireless Plunger Indicator](#) [pdf] User Manual

120139135, 120139137, 120139138, 120139139, 120139257, 120139258, 120139259, 120139508, 120139509, 120139907, 120139908, 120139908 Tablet Wireless Plunger Indicator, 120139908, Tablet Wireless Plunger Indicator, Wireless Plunger Indicator, Plunger Indicator

References

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- [User Manual](#)

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