



MICROTECH 110170409
Non Rotating Tablet
Micrometer



MICROTECH 110170409 Non Rotating Tablet Micrometer User Manual

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MICROTECH

MICROTECH 110170409 Non Rotating Tablet Micrometer



Product Information

Specifications

- Item No: 110170409 (0-40), 110170809 (40-80), 110171609 (120-160), 110172009 (160-200)
- Range: 0-40 mm, 40-80 mm, 120-160 mm, 160-200 mm
- Resolution: mm
- Accuracy: m
- Repeatability: m
- Parameters: LED display, Indication system
- Power supply: Rechargeable Li-Pol battery
- Charging port: micro-USB
- Case material: Aluminium
- Wireless data transfer: Long range / HID
- USB data transfer: USB HID
- Color: 2.4 inch, 320×240, MICS 4.0

Product Usage Instructions

Switch On/Off and Data Transfer

- Switch on the device by pressing the button for 1 second.
- Switch off the device by pressing the button for 3 seconds or it will auto switch off.
- Data transfer can be done through programming via the menu.

Built-In Battery and App Download

- The device comes with a rechargeable Li-Pol battery.
- Download the MDS app for Microtech devices for wireless connection from www.microtech.ua, GooglePlay & App Store.

Data Transfer Modes

- Three modes of data transfer available: USB and 2 wireless modes.
- Wireless connection to MDS app for wireless data transfer to Windows, Android, iOS.
- Data can be saved in XLS, CSV formats and transferred to CAD, SPC, or other software.

FAQ

How do I activate the memory system for saving data?

The standard or folder system can be activated through the MEMORY menu. Touch the data area on the screen or press a button to save measuring data to internal memory.

NON-ROTATING TABLET MICROMETER

USER MANUAL

SPECIFICATION

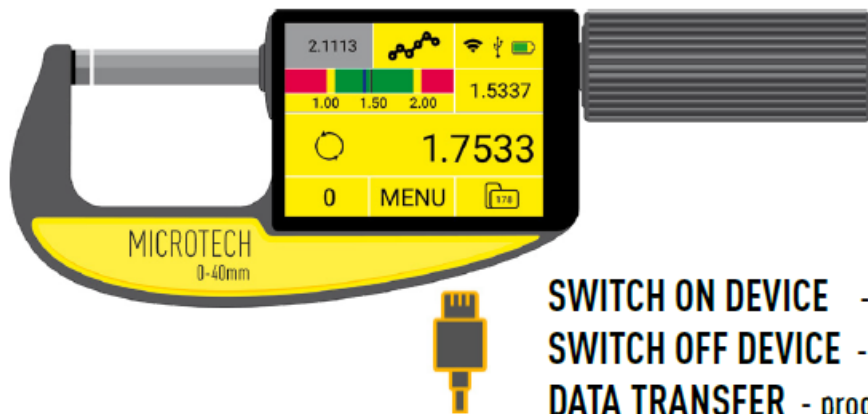
Item No	Range	Resolution	Accuracy	Repeatability	Measuring HUB	Graphic	Analog scale	Preset	Go/NoGo	Max/Min	Formula	Timer	Tempcomp	Linearcor	Calibrate	Recharge	Memory	WIRELESS	USB
	mm	mm	µm	µm															
110170409	0-40	0,001	±2	0,5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
110170809	40-80		±3		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
110171209	80-120		±3		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
110171609	120-160		±4		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
110172009	160-200		±4		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TECHNICAL DATA

Parameters

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

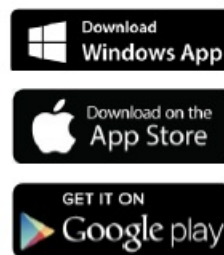
MAIN INFO



MAIN INFO

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

DOWNLOAD APP



DOWNLOAD MDS APP FOR MICROTECH DEVICES WIRELESS CONNECTION FROM www.microtech.ua
GooglePlay & 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



WIRELESS HID CONNECTION
USB HID CONNECTION

NO DONGLE

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








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



TRANSFER DATA TO CAD, SPC OR OTHER SOFTWARE

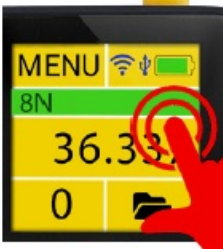


TRANSFER DATA TO EXCEL OR OTHER TABLE EDITORS

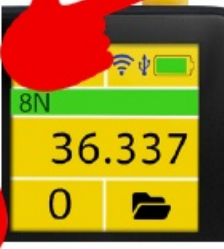


TRANSFER DATA TO ANY BROWSE OR APP

WAYS HOW TO TRANSFER DATA TO PC OR TABLET



TOUCHSCREEN TAP



BUTTON PUSH

BY TIMER



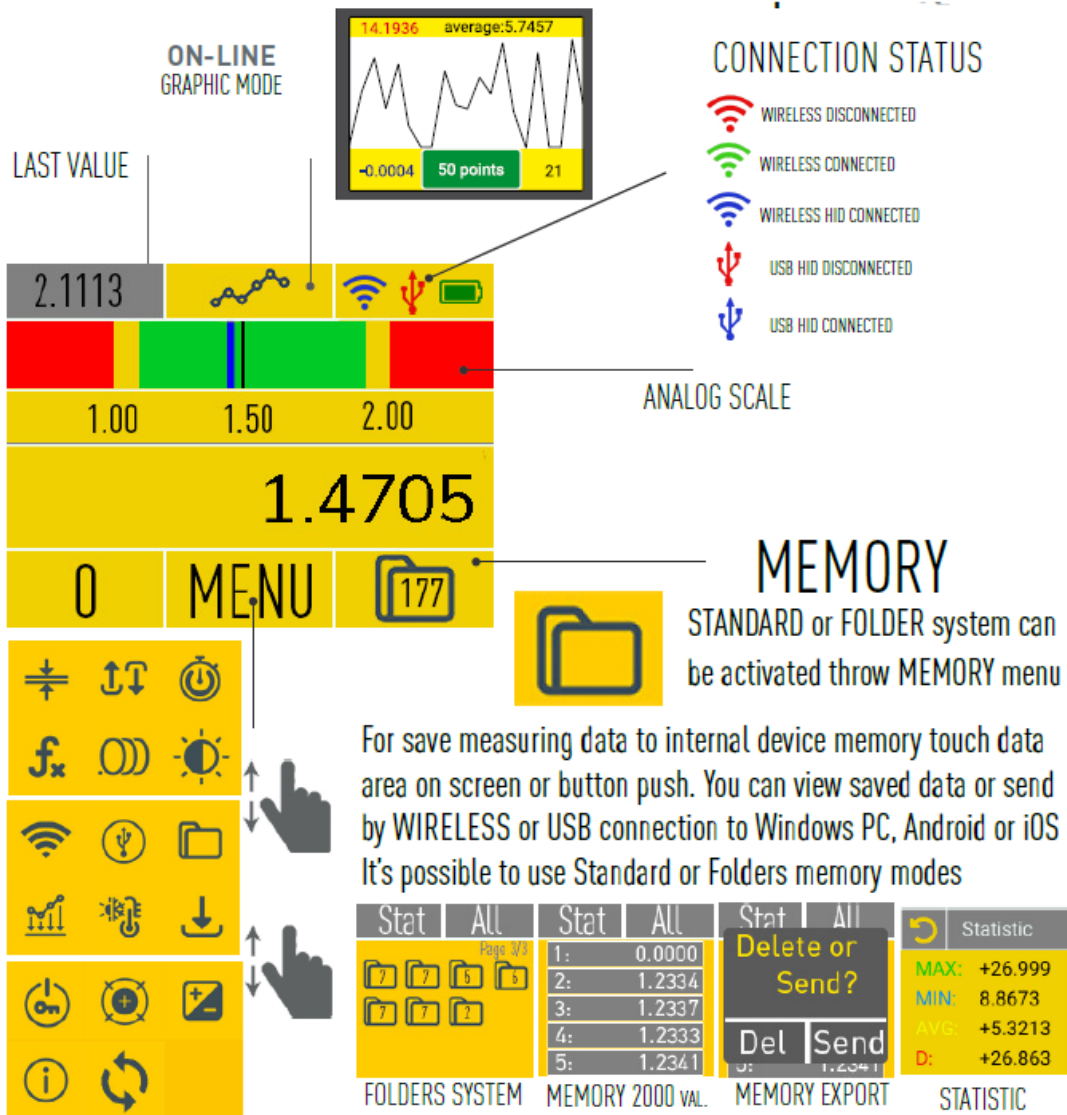
SELECTED FORCE



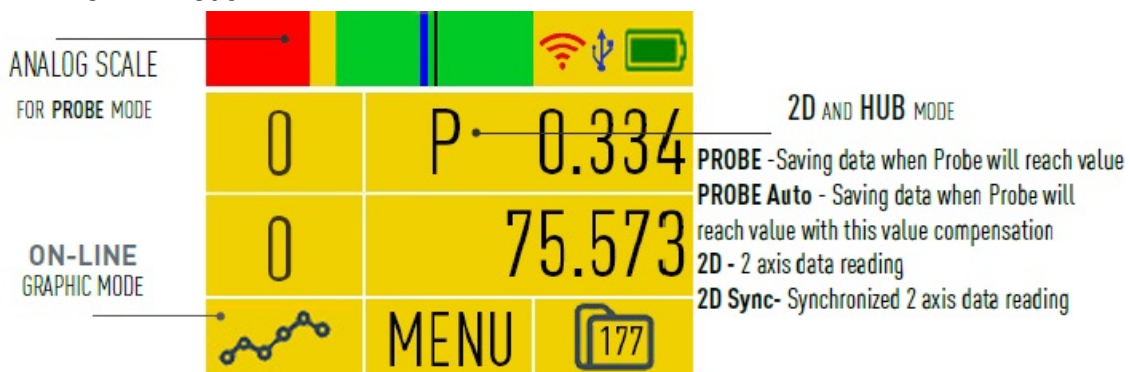
IN MDS APP



MAIN SCREEN



MAIN SCREEN on 2D mode



FUNCTIONS

LIMITS mode GO/NOGO

LIMITS mode GO/NOGO



MAX - NoGo more Upper limit
MIN - NoGo less Lower limit
RANGE - Go between Limits
NONE - Analog scale active

COLOR INDICATION LIMITS ON MAIN SCREEN Go NoGo

> 2.000 Upper limit
 < 3.000 Lower limit
 % 20 Yellow zone on analog scale
 SCALE RES

PEAK mode MAX/MIN



DISABLE - non active mode
ENABLE - activating mode
REFRESH - refresh peak value according timer

INDICATION AND SAVING MAX OR MIN VALUES

Max/Min
 Enabled
 MAX
 MIN

MAX - indicating MAX measured value
MIN - indicating MIN measured value

TIMER mode



SAVING DATA TO MEMORY OR SENDING WIRELESS/USB BY TIMER

Timer
 0.000 sec
 Reset

Select timer period
 Reset to disactivate mode

FORMULA mode



Formula
 Ax²+Bx+C
 Set Argv

Select FORMULA Type (Math, Radius or other)
 Select arguments

RESOLUTION selection



Resolution
 X.0000
 mm

Resolution selecting
 mm/inch conversion

DISPLAY settings



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)

Display
 Angle 270
 Sleep ON

Display rotation 0°, 90°, 180°, 270°
 Brightness level

LINEAR error compensation



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

O: 17.251
 C: 17.258
 UP OK
 DN RES

Linear correction error's on device

actual values
 correct values by up&down button
 confirm point correction

TEMP compensation

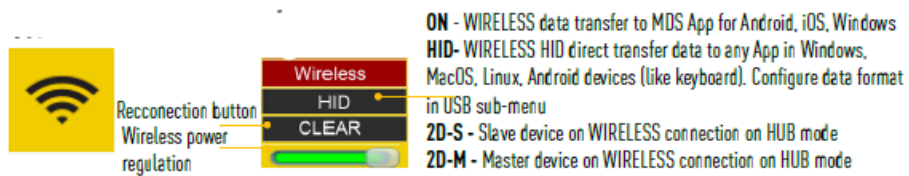


Manual Temperature setting

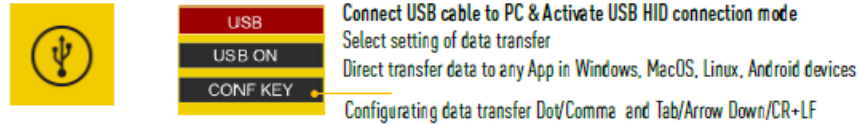
Temp.com.
 Cu, Cu alloys
 27.5°C RES

4 types of material for selection:
 - Glass, Quartz
 - Stainless steel
 - Cuprum and alloys
 - Alluminium and alloys

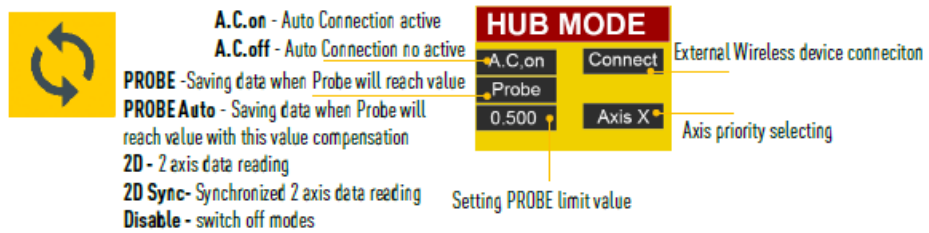
WIRELESS data transfer



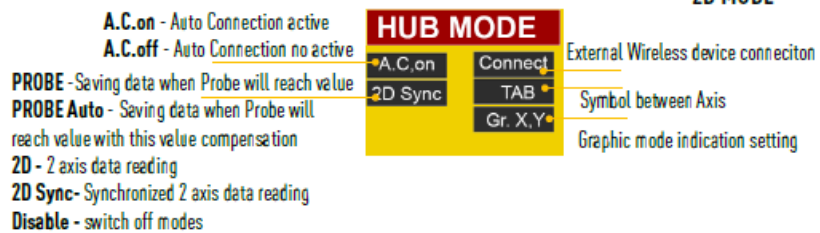
USB OTG data transfer



HUB connection



PROBE MODE



2D MODE

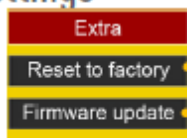
FUNCTIONS

LINK to app's



QR Link to MICROTECH web site page
with MDS Software download
- Android, iOS, Windows versions
- Free and Pro versions
- Manuals

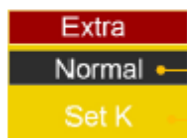
RESET to Factory settings



Push 10 times to RESET device to factory settings

Push 10 times to FIRMWARE UPDATE

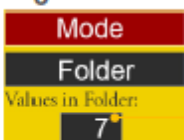
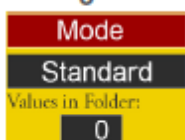
EXTRA



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

Coefficient setting (for distributor and calibration only)

MEMORY manager setting



Activating STANDARD
or FOLDER SYSTEM

Values in each Folder

FOLDERS SYSTEM

CALIBRATION date info



Push for change calibration date info

Device INFO



Information about device

- Firmware version

- MAC adress for WIRELESS connection

INDUSTRY 4.0 INSTRUMENTS



Change without prior notice

MICROTECH

innovative measuring instruments

61001, Kharkiv, Ukraine, str. Rustaveli, 39

tel.: +38 (057) 739-03-50

www.microtech.ua

tool@microtech.ua

Documents / Resources

	MICROTECH 110170409 Non Rotating Tablet Micrometer [pdf] User Manual 110170409, 110170409 Non Rotating Tablet Micrometer, Non Rotating Tablet Micrometer, Table t Micrometer, Micrometer
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References

- [User Manual](#)

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