



PROBE MODE



2D MODE



COMPUTERIZED DOUBLE COLUMN HEIGHT GAUGE

USER MANUAL



ISO17025:2017



ISO 9001:2015


MICROTECH

SPECIFICATION

Item No	Range		Resolut.	Accur.	Fine adjust. whee	2 axis connection	Probe connection	Graphical mode	Analog scale	Preset	Go/NoGo	Max/Min	Formula	Timer	Temp comp	Linear corr	Calibr date	Connect. status	Recharge batt	Memory	Wireless	USB	Color Display
	mm	inch	mm	µm																			
1443030271	0-300	0-12"	0,001	±15	•			•	•	•	•	•	•	•	•	•	•	•	•				
1443050271	0-500	0-20"		±20	•	option	option	•	•	•	•	•	•	•	•	•	•	•	•				
1443060271	0-600	0-24"		±20	•			•	•	•	•	•	•	•	•	•	•	•	•				
1443100271	0-1000	0-40"		±30	•			•	•	•	•	•	•	•	•	•	•	•	•	Folders / 2000 val	Long range / HID	USB HID / Update	Touchscreen 2,4"

TECHNICAL DATA

Parameters	
LED display	color 2,4 inch 320x240
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

SWITCH ON DEVICE - button push (1 sec)

SWITCH OFF DEVICE - button push (3 sec)/ auto switch off

DATA TRANSFER - programming throw menu



BUILT-IN BATTERY - rechargeable Li-Pol battery



DOWNLOAD APP

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



DATA TRANSFER



MICROTECH

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

Windows

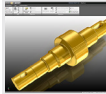
iOS

android

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

Windows

iOS

android

LINUX

macOS



TRANSFER DATA TO
CAD, SPC OR OTHER
SOFTWARE



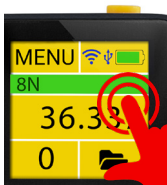
TRANSFER DATA TO
EXCEL OR OTHER
TABLE EDITORS



TRANSFER DATA
TO ANY BROWSER
OR APP

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

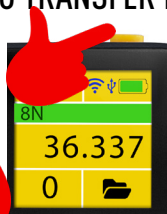
7 WAYS HOW TO TRANSFER DATA TO PC OR TABLET



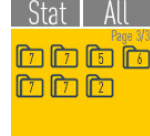
TOUCHSCREEN TAP



BY TIMER



BUTTON PUSH



FROM MEMORY



SELECTED FORCE



IN MDS APP



FROM PAIRED DEVICE

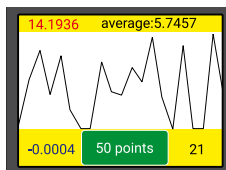


MICROTECH

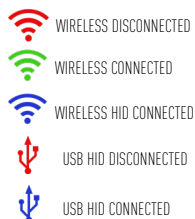
MAIN SCREEN

ON-LINE
GRAPHIC MODE

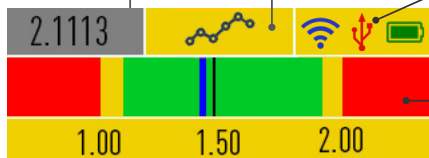
LAST VALUE



CONNECTION STATUS



ANALOG SCALE



MEMORY

STANDARD or FOLDER system can be activated throw MEMORY menu

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

Stat	All
1: 0.0000	
2: 1.2334	
3: 1.2337	
4: 1.2333	
5: 1.2341	

FOLDERS SYSTEM

Stat	All
1: 0.0000	
2: 1.2334	
3: 1.2337	
4: 1.2333	
5: 1.2341	

MEMORY 2000 VAL.

Stat	All
Delete or Send?	
Del	Send

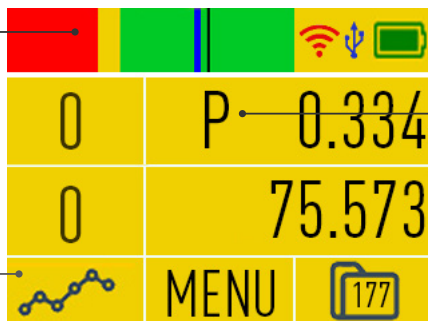
MEMORY EXPORT

Statistic
MAX: +26.999
MIN: 8.8673
AVG: +5.3213
D: +26.863

STATISTIC

MAIN SCREEN on 2D mode

ANALOG SCALE
FOR PROBE MODE



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

ON-LINE
GRAPHIC MODE

FUNCTIONS



MICROTECH

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

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 deactivate mode

FORMULA mode



Formula
Ax^2+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	actual values
C: 17.258	correct values by up&down button
UP	OK
DN	RES

confirm point correction

Linear correction error's on device

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
- Aluminium and alloys



WIRELESS data transfer



Reconnection button
Wireless power
regulation



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



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



A.C.on - Auto Connection active
A.C.off - Auto Connection no active

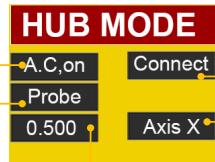
PROBE - Saving data when Probe will reach value

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

Disable - switch off modes



Setting PROBE limit value

PROBE MODE

External Wireless device connection

Axis priority selecting

2D MODE

A.C.on - Auto Connection active
A.C.off - Auto Connection no active

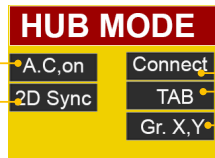
PROBE - Saving data when Probe will reach value

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

Disable - switch off modes



External Wireless device connection

Symbol between Axis

Graphic mode indication setting

FUNCTIONS

LINK to app's



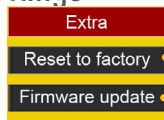
QR Link to MICROTECH web site page
with MDS Software download
- Android, iOS, Windows versions
- Free and Pro versions
- Manuals



MICROTECH

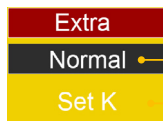


RESET to Factory settings



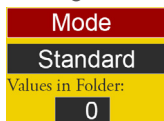
Push 10 times to RESET device to factory settings
Push 10 times to FIRMWARE UPDATE

EXTRA



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

MEMORY manager setting



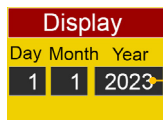
Activating STANDARD
or FOLDER SYSTEM

Values in each Folder



FOLDERS SYSTEM

CALIBRATION date info



Push for change calibration date info

Device INFO

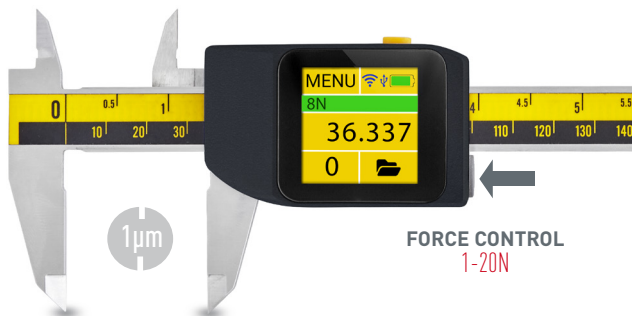
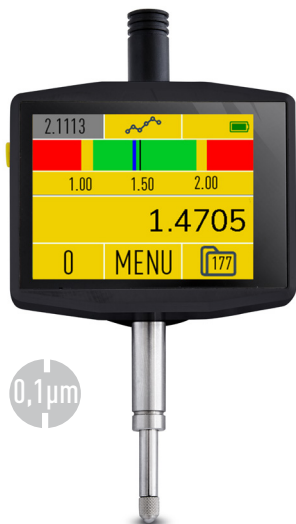


Information about device
- Firmware version
- MAC adress for WIRELESS connection



MICROTECH

INDUSTRY 4.0 INSTRUMENTS



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Change without prior notice