

Only innovative measuring instruments

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COMPUTERIZED HEIGHT GAUGE

USER MANUAL



ISO17025:2017



ISO 9001:2015

| Item No | Range | | Resol. | Accur. | eForce control | 2D connect | Measuring HUB | ON-line Graphic | Analog scale | Preset | Go/NoGo | Max/Min | Formula | Timer | Temp corr | Linear corr | Calibr date | Connect. status | Recharge batt | Memory | Wireless | USB | Color Display | | | |
|------------|--------|-------|--------|--------|----------------|------------|---------------|-----------------|--------------|--------|---------|---------|---------|-------|-----------|-------------|-------------|-----------------|---------------|--------|----------|-----|---------------|----|----|---|
| | mm | inch | | | | | | | | | | | | | | | | | | | | | | mm | µm | N |
| 1443030262 | 0-300 | 0-12" | 0,01 | ±20 | 1-20N | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | |
| 1443050262 | 0-500 | 0-20" | | ±20 | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| 1443100262 | 0-1000 | 0-40" | | ±40 | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 1443150262 | 0-1500 | 0-60" | | ±60 | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 1443200262 | 0-2000 | 0-80" | | ±70 | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |

| 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 |

TECHNICAL DATA

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

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



TRANSFER DATA TO
CAD, SPC OR OTHER
SOFTWARE



TRANSFER DATA TO
EXCEL OR OTHER
TABLE EDITORS



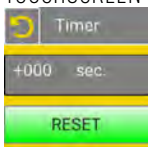
TRANSFER DATA
TO ANY BROWSER
OR APP

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



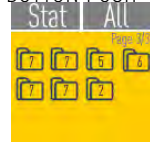
TOUCHSCREEN TAP



BY TIMER



BUTTON PUSH



FROM MEMORY



SELECTED FORCE



IN MDS APP



FROM PAIRED DEVICE

MAIN SCREEN

ON-LINE GRAPHIC MODE

LAST VALUE

14.1936 average:5.7457
 -0.0004 50 points 21

CONNECTION STATUS

- WIRELESS DISCONNECTED
- WIRELESS CONNECTED
- WIRELESS HID CONNECTED
- USB HID DISCONNECTED
- USB HID CONNECTED

ANALOG SCALE

2.1113

1.00 1.50 2.00

1.4705

0 MENU 177

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

FOLDERS SYSTEM

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

MEMORY 2000 VAL.

MEMORY EXPORT

Delete or Send?

Del Send

STATISTIC

| Statistic |
|--------------|
| MAX: +26.999 |
| MIN: 8.8673 |
| +5.3213 |
| D: +26.863 |

MAIN SCREEN on 2D mode

ANALOG SCALE FOR PROBE MODE

ON-LINE GRAPHIC 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

0.334

75.573

0 MENU 177

FUNCTIONS

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**



PEAK mode MAX/MIN



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

INDICATION AND SAVING **MAX** OR **MIN** VALUES



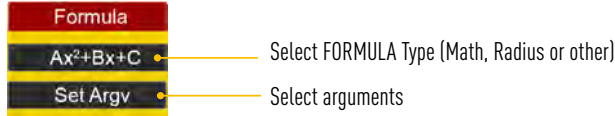
TIMER mode



SAVING DATA TO MEMORY OR SENDING WIRELESS/USB BY TIMER



FORMULA mode



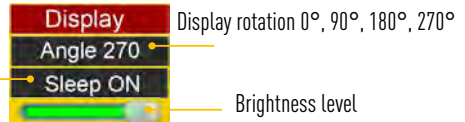
RESOLUTION selection



DISPLAY settings



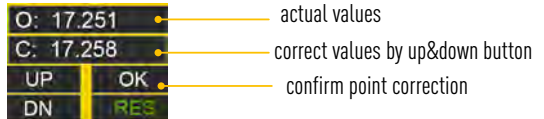
Sleep OFF (15 s low brightness off, sleep off)
 Sleep 15s (15 s low brightness on, sleep off)
 Sleep ON (15 s low brightness on, sleep on)



LINEAR error compensation



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



Linear correction error's on device

TEMP compensation



Manual Temperature setting



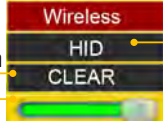
4 types of material for selection:

- 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

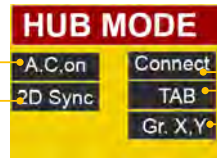


External Wireless device connection
 Axis priority selecting
 Setting PROBE limit value

PROBE 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

2D MODE

FUNCTIONS

LINK to app's

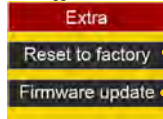


QR Link to MICROTECH web site page with MDS Software download

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



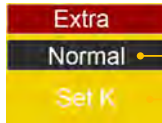
RESET to Factory settings



Push 10 times to RESET device to factory settings

Push 10 times to FIRMWARE UPDATE

EXTRA



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

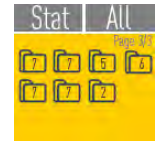
Coefficient setting (for distributor and calibration only)

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

