

# MICROTECH 1443030262 COMPUTERIZED HEIGHT GAUGE User Manual



**MICROTECH**



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**COMPUTERIZED HEIGHT GAUGE**

**USER MANUAL**



[www.microtech.ua](http://www.microtech.ua)

**SPECIFICATION**

Item No	Range		Resol.	Accur.	eForce control	2D connect	Measuring HUB	ON-line Graphic	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	N																			
1443030262	0-300	0-12"	0,01	±20	1-20N	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Folders / 2000 val	Long range / HID	USB HID / Update	Touchscreen 2.4"	
1443050262	0-500	0-20"		±20		•	•	•	•	•	•	•	•	•	•	•	•	•	•					•
1443100262	0-1000	0-40"		±40		•	•	•	•	•	•	•	•	•	•	•	•	•	•					•
1443150262	0-1500	0-60"		±60		•	•	•	•	•	•	•	•	•	•	•	•	•	•					•
1443200262	0-2000	0-80"		±70		•	•	•	•	•	•	•	•	•	•	•	•	•	•					•

**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



**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](http://www.microtech.ua), GooglePlay & App Store

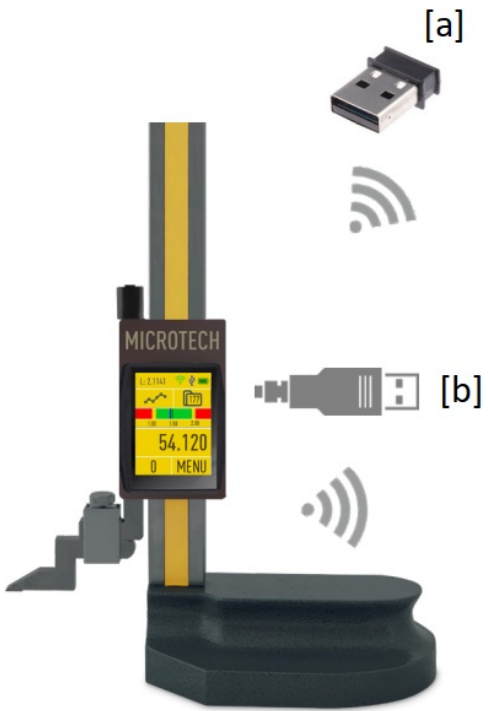


## DATA TRANSFER

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

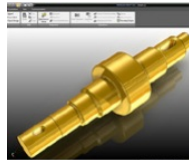


WIRELESS HID and USB HID data transfer (like keyboard) direct to any customers app and system

[a]



SAVING DATA TO XLS. CSV FORMATS



TRANSFER DATA TO CAD, SPC OR OTHER SOFTWARE



TRANSFER DATA TO EXCEL OR OTHER TABLE EDITORS



SAVING GRAPH

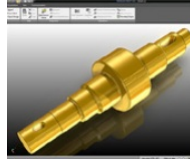


**FREE SOFTWARE**



**NO DONGLE**

[b]



TRANSFER DATA TO CAD, SPC OR OTHER SOFTWARE



TRANSFER DATA TO EXCEL OR OTHER TABLE EDITORS



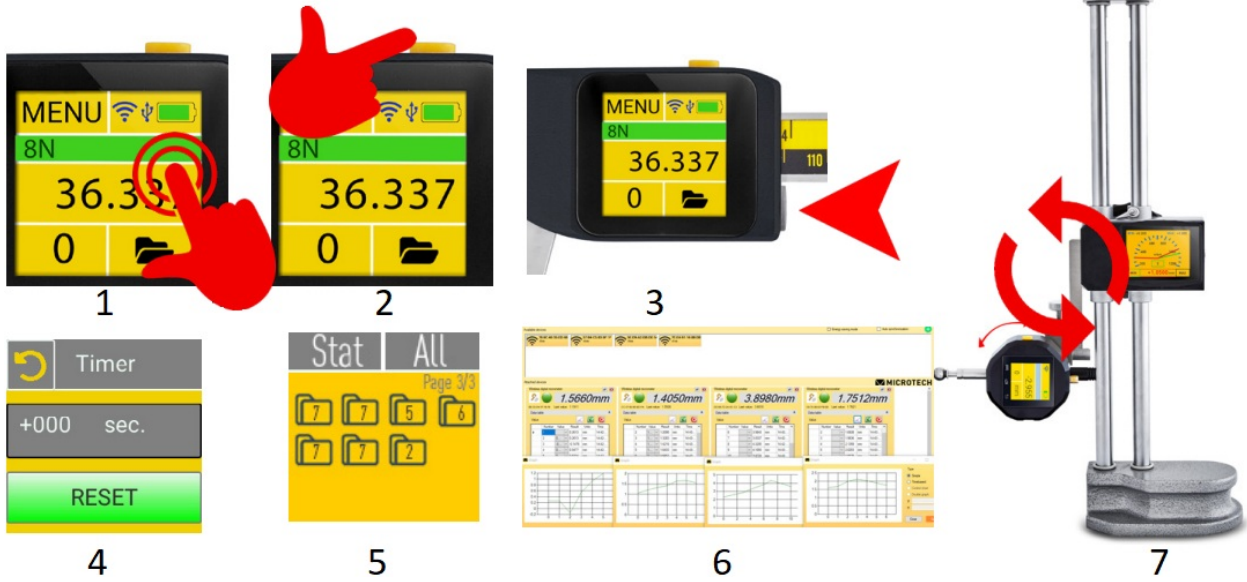
TRANSFER DATA TO ANY BROWSWE OR APP

**WIRELESS HID CONNECTION**  
**USB HID CONNECTION**



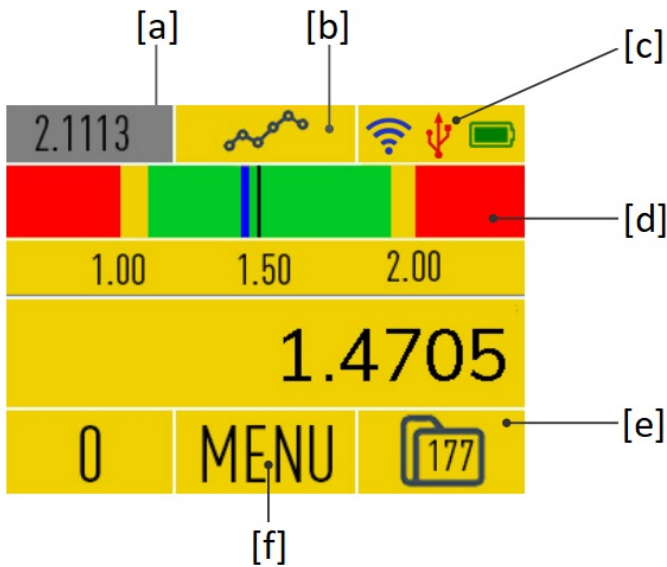
**NO DONGLE**





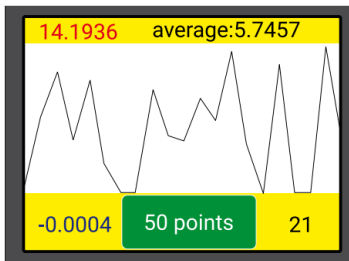
1. TOUCHSCREEN TAP
2. BUTTON PUSH
3. SELECTED FORCE
4. BY TIMER
5. FROM MEMORY
6. IN MDS APP
7. FROM PAIRED DEVICE

**MAIN SCREEN**








**[a]** LAST VALUE

**[b]** ON-LINE  
GRAPHIC MODE



**[c] CONNECTION STATUS**

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

**[d] ANALOG SCALE**

**[e] 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



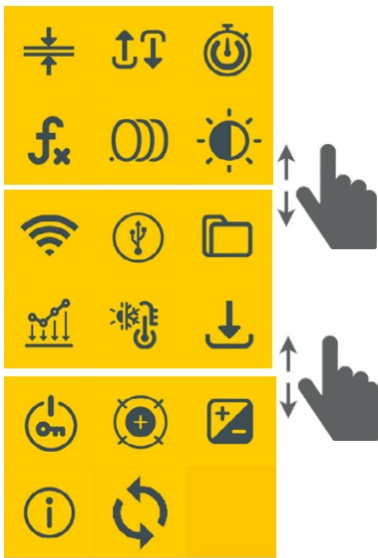
Stat	All
1:	0.0000
2:	1.2334
3:	1.2337
4:	1.2333
5:	1.2341



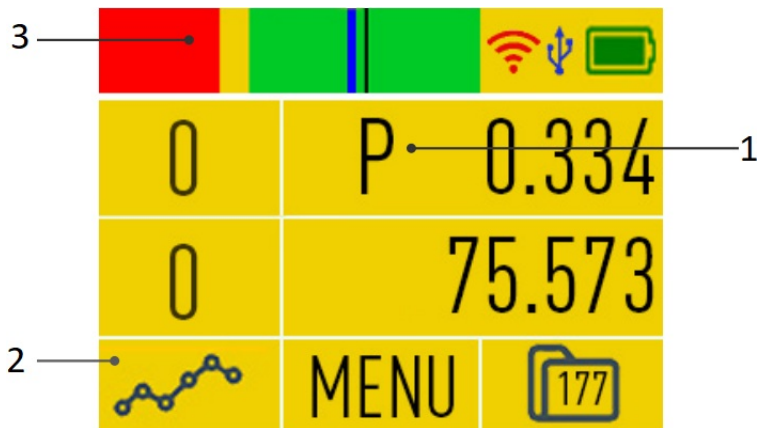
Statistic	
MAX:	+26.999
MIN:	8.8673
AVG:	+5.3213
D:	+26.863

FOLDERS SYSTEM MEMORY 2000 val. MEMORY EXPORT STATISTIC

**[f]**



**MAIN SCREEN on 2D mode**



**1. 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**– Synchronized2 axis data reading

**2. ON-LINE**

GRAPHIC MODE

**3. ANALOG SCALE**

FOR **PROBE** MODE

**FUNCTIONS**

**LIMITS mode GO/NOGO**

COLOR INDICATION LIMITS ON MAIN SCREEN Go NoGo

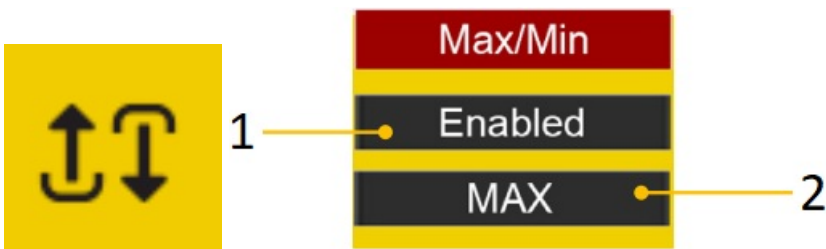




1. **MAX – NoGo** more Upper limit  
**MIN – NoGo** less Lower limit  
**RANGE – Go** between Limits  
**NONE** – Analog scale active
2. Upper limit
3. Lower limit
4. Yellow zone on analog scale

**PEAK mode MAX/MIN**

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



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

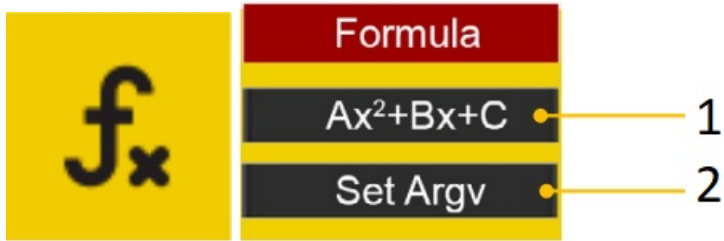
**TIMER mode**

SAVING DATA TO MEMORY OR SENDING WIRELESS/USB BY TIMER



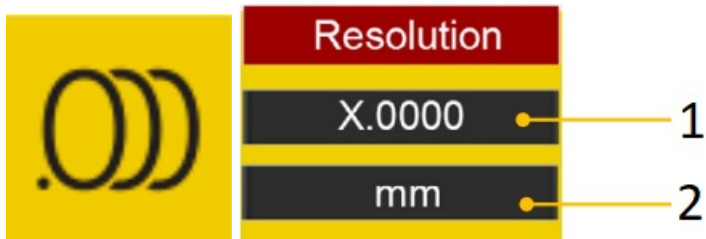
1. Select timer period
2. Reset to deactivate mode

## 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

Linear correction error's on device

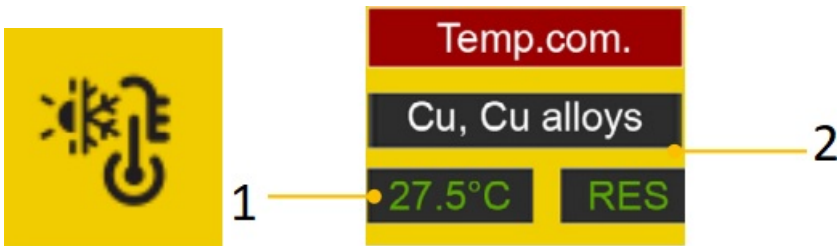


Re-calculation detail size to calibration conditions (20°C)



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



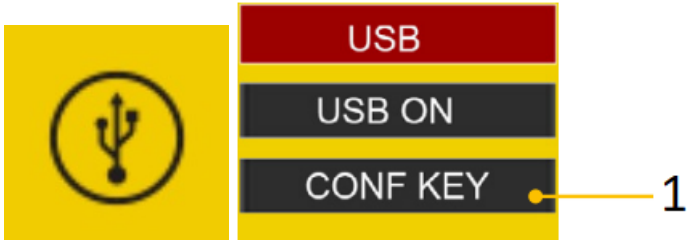
1. Wireless power regulation
2. Reconnection button
3. **ON** – WIRELESS data transfer to MDS App for Android, iOS, Windows

**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

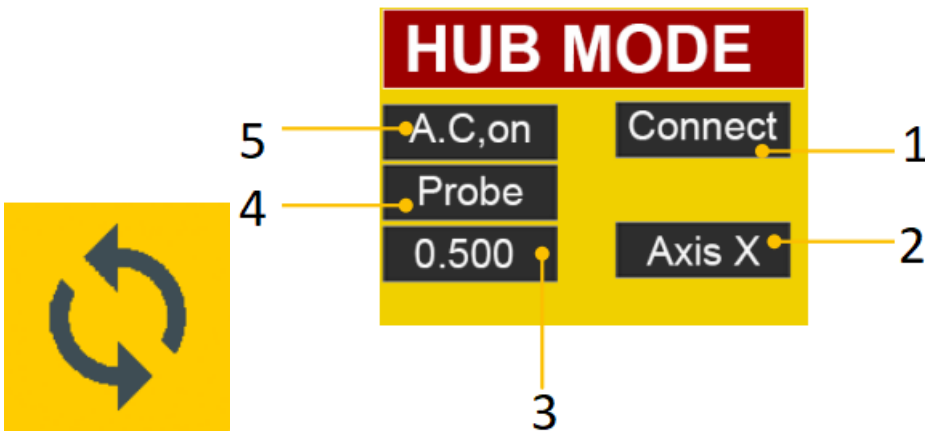
Select setting of data transfer

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. External Wireless device connection

2. Axis priority selecting

3. Setting PROBE limit value

4. **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

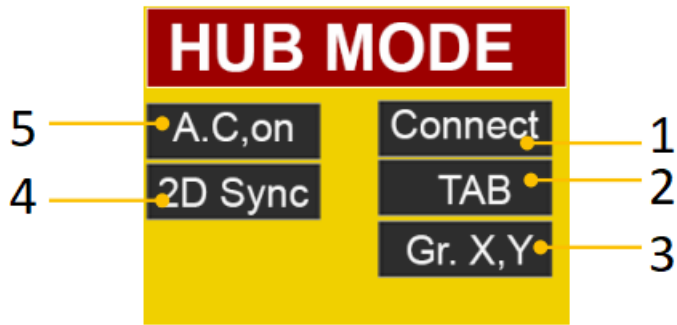
**2D Sync**– Synchronized2 axis data reading

**Disable** – switch off modes

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

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

### 2D MODE



1. External Wireless device connection
2. Symbol between Axis
3. Graphic mode indication setting
4. **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
5. **A.C.on** – Auto Connection active
  - A.C.off** – Auto Connection no active

**LINK to app's**

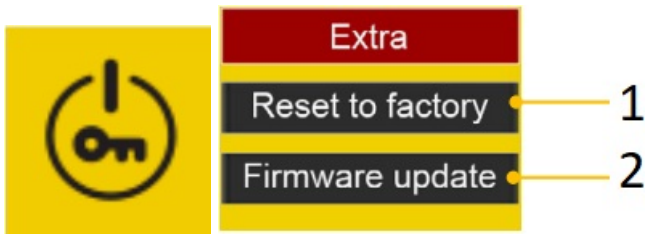


QR Link to MICROTECH web site page with MDS Software download

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

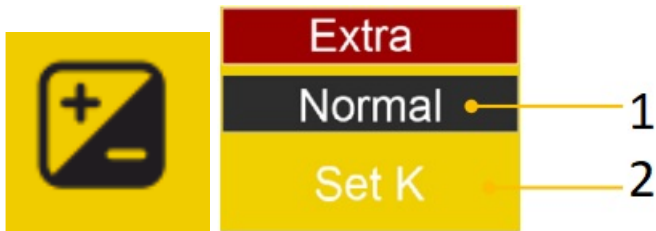


**RESET to Factory settings**



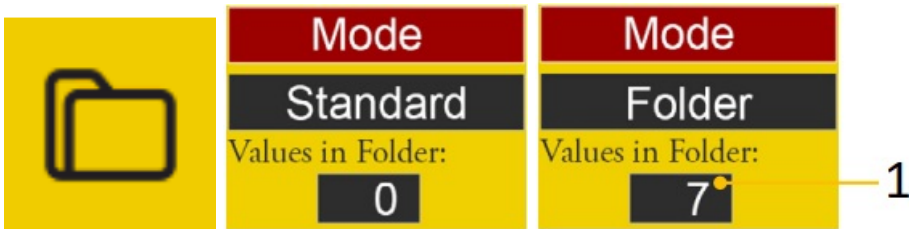
1. Push 10 times to RESET device to factory settings
2. Push 10 times to FIRMWARE UPDATE

**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

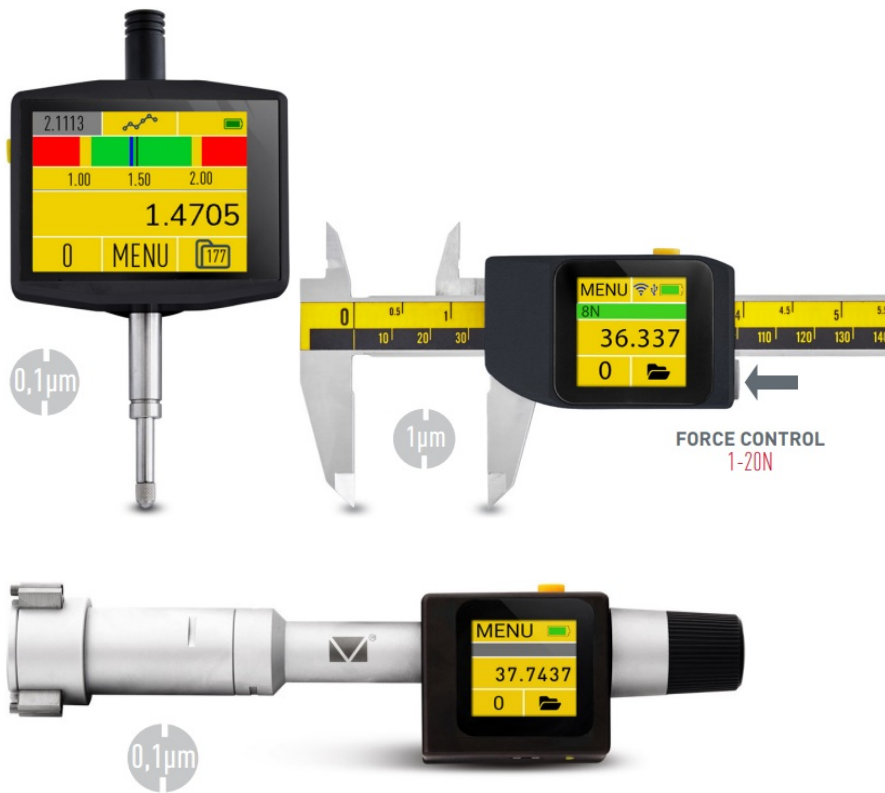
**Device INFO**



Information about device

- Firmware version
- MAC adress for WIRELESS connection

**INDUSTRY 4.0 INSTRUMENTS**





Change without prior notice

## MICROTECH

innovative measuring instruments

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

[www.microtech.ua](http://www.microtech.ua)

[tool@microtech.ua](mailto:tool@microtech.ua)

## Documents / Resources

	<p><b>MICROTECH 1443030262 COMPUTERIZED HEIGHT GAUGE</b> [pdf] User Manual 1443030262 COMPUTERIZED HEIGHT GAUGE, 1443030262, COMPUTERIZED HEIGHT GAUGE, HEIGHT GAUGE</p>
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## References

- [Main page - MICROTECH - Innovative measuring instruments](#)



