



MICROTECH 133700210 Computerized Internal 3 Point Micrometer User Manual

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MICROTECH 133700210 Computerized Internal 3 Point Micrometer



SPECIFICATION

Item No	Range		Resolution		Accuracy	Max depth	Setting ring	Indication
	mm	inch	mm	inch	μm	mm		
133700210	2-2,5	0.08-0.09"	0,0001	0.00001"	±3	154	+	computerized MICS system with 1,54" touch screen
133700310	2,5-3	0.09-0.12"			±3	154	+	
133700410	3-4	0.12-0.16"			±3	154	+	
133700510	4-5	0.16-0.20"			±3	154	+	
133700610	5-6	0.20-0.24"			±4	154	+	
133700810	6-8	0.24-0.32"			±4	154	+	
133701010	8-10	0.32-0.4"			±4	154	+	
133701210	10-12	0.4-0.5"			±4	154	+	
133701610	12-16	0.5-0.63"			±4	230	+	
133702010	16-20	0.63-0.8"			±4	230	+	
133702510	20-25	0.8-1"			±4	240	+	
133703010	25-30	1-1.2"			±4	240	+	
133704010	30-40	1.2-1.6"			±4	240	+	
133705010	40-50	1.6-2"			±4	240	+	
133707010	50-70	2-3"			±4	250	+	
133710010	70-100	3-4"			±4	250	+	
133715010	100-150	4-6"			±4	250	+	
133725010	150-250	6-10"			±5	250	+	
133730010	200-300	8-12"			±6	250	+	
133750010	200-500	8-20"			±8	650		
133790011	200-1000	8-40"			±11	1150		

TECHNICAL DATA

Parameters	
LED display	color 1,54 inch
Resolution	240×240
Indication system	MICS 4.0
Power supply	Rechargeable Li-Pol battery
Battery capacity	450 mAh
Charging port	micro-USB / Magnetic port
Case material	Aluminium
Buttons	Switch (Multifuntional), Reset
Wireless data transfer	Ultra long range
USB data transfer	USB HID

CHARGING



BUILT-IN BATTERY -
rechargeable Li-Pol battery

For charging connect USB cable

BUTTONS

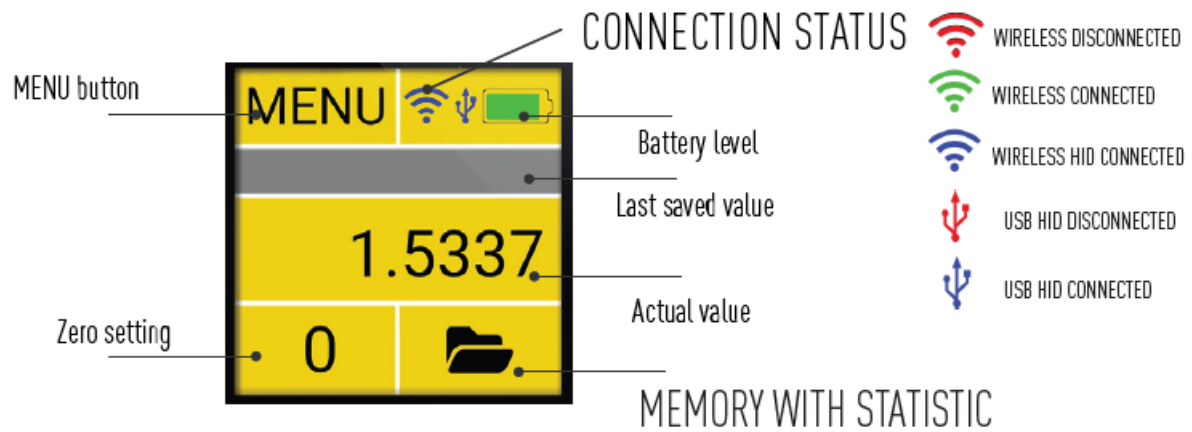
SWITCH ON DEVICE - button push (1 sec)

SWITCH OFF DEVICE - button push (2 sec)/ auto switch off

DATA TRANSFER - programming throw menu



MAIN SCREEN



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

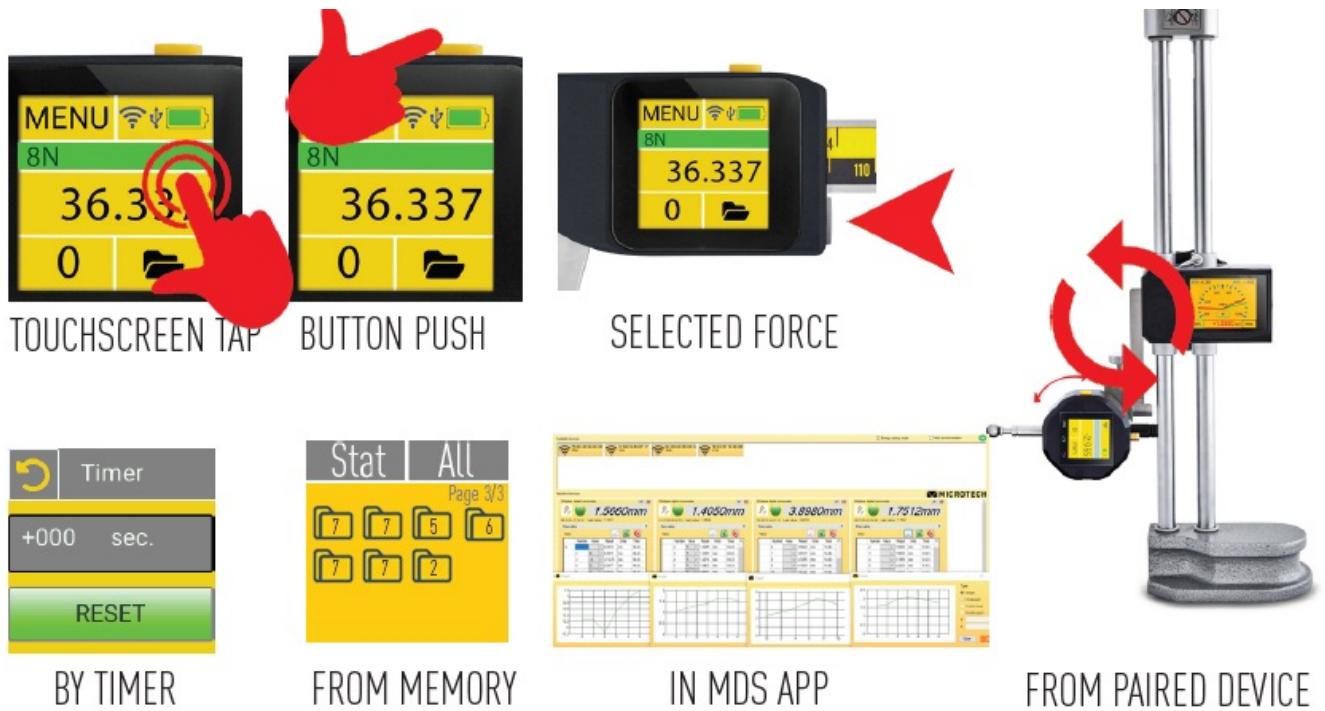
- **WIRELESS HID CONNECTION**

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

- **USB HID CONNECTION**

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

7 WAYS HOW TO TRANSFER DATA TO PC OR TABLET



MEMORY

For save measuring data to internal device memory touch data area on screen or button push. You can view saved data throw menu or send Wireless or USB connection to Windows PC, Android or iOS devices. It's possible to use Standard or Folders system with 2000 values in memory.



STANDARD or FOLDER system can be activated throw MEMORY menu

DOWNLOAD APP

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

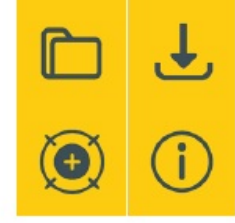
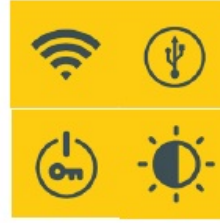


MENU STRUCTURE

MENU CONFIGURATION



USE TOUCHSCREEN TO
OPERATE MENU
SWIPE TO MOVE INSIDE



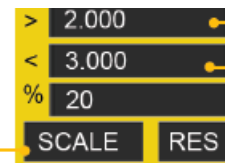
FUNCTIONS

LIMITS mode GO/NOGO

COLOR INDICATION LIMITS ON MAIN SCREEN Go NoGo



MAX - NoGo more Upper limit
MIN - NoGo less Lower limit
RANGE - Go between Limits



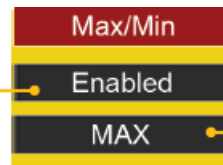
Upper limit
Lower limit

PEAK mode MAX/MIN

INDICATION AND SAVING MAXMAX OR MIN VALUES



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



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

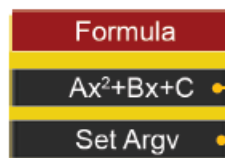
TIMER mode

SAVING DATA TO MEMORY OR SENDING WIRELESS/USB BY TIMER



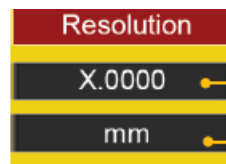
Select timer period
Reset to disactivate mode

FORMULA mode



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

RESOLUTION selection



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 rotation 0°, 90°, 180°, 270°

Brightness level

LINEAR error compensation

Linear correction error's on device



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

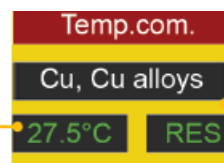


correct values by up&down button
confirm point correction

TEMP compensation



Manual Temperature setting

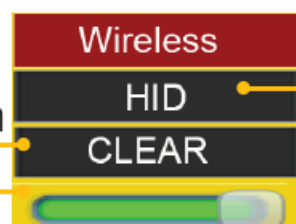


- Glass, Quartz
- Stainless steel
- Cuprum and alloys
- Alluminium and alloys

WIRELESS data transfer



Reconnection button
Wireless power regulation



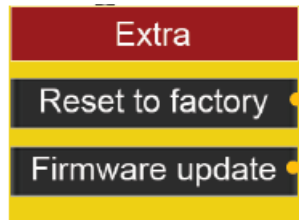
ON – WIRELESS data transfer to MDS App for Android, iOS, Windows HID- WIRELESS HID direct transfer data to any App in Windows, MacOS, Linux, Android devices (like keyboard). Configure data format in USB sub-menu 2D-S – Slave device on WIRELESS connection on HUB mode

USB OTG data transfer



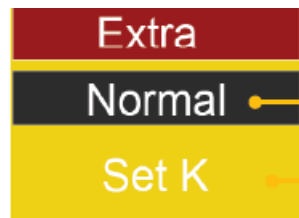
Connect USB cable to PC & Activate USB HID connection mode Select setting of data transfer
Direct transfer data to any App in Windows, MacOS, Linux, Android devices
Configurating data transfer Dot/Comma and Tab/Arrow Down/CR+LF

RESET to Factory settings



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

EXTRA



LINK to app's

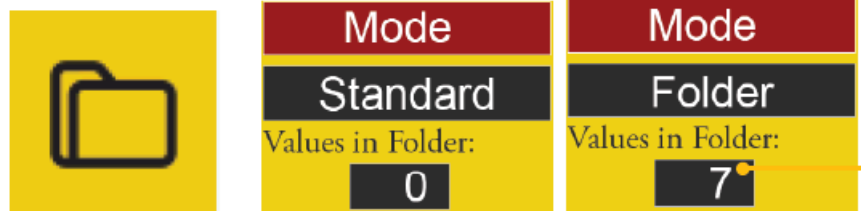


QR Link to MICROTECH web site page with MDS Software download

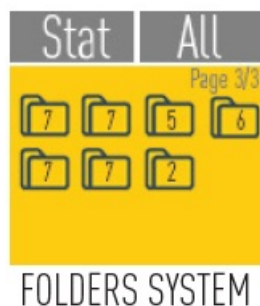
- Android, iOS, Windows versions
- Free and Pro versions
- Manuals



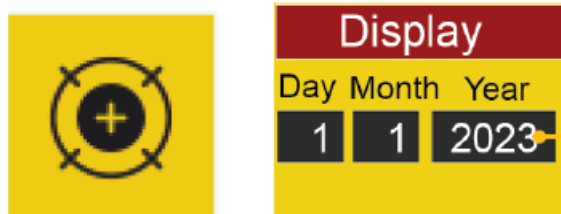
MEMORY manager setting



Activating STANDARD or FOLDER SYSTEM
Values in each Folder



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

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tool@microtech.ua

Documents / Resources

	MICROTECH 133700210 Computerized Internal 3 Point Micrometer [pdf] User Manual 133700210 Computerized Internal 3 Point Micrometer, 133700210, Computerized Internal 3 Point Micrometer, Internal 3 Point Micrometer, 3 Point Micrometer, Micrometer
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References

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