



MICROTECH 120139135 Sub Micron Tablet Computerized Indicator User Manual

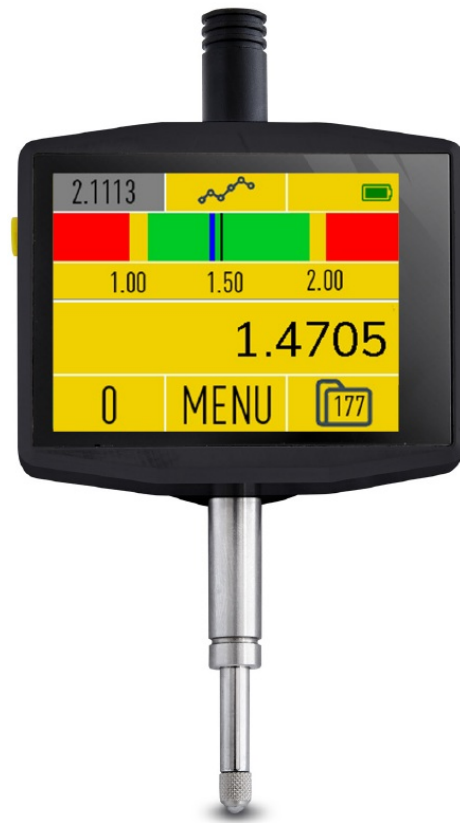
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MICROTECH 120139135 Sub Micron Tablet Computerized Indicator



SPECIFICATION

Item No	Range		Resolution	Accuracy	Hysteresis	Force	Protection	Display	Data output
	mm	inch	mm	µm	µm	N			
120139135	0-12,5	0-0,5"	0,0001	±3,0	0,5	0,6-1	IP54	Color 2,4" touch-screen	WIRELESS+USB
120139137				±2,0			IP54		
120139138				±1,6			IP54		
120139139				±1,2			IP54		
120139257	0-25,4	0-1"		±3,0		0.7-1.2	IP54		
120139258				±2,0			IP54		
120139259				±1,6			IP54		
120139508	0-50,8	0-2"		±3,0		1,2-2,2	IP54		
120139509				±2,2			IP54		
120139907	0-100	0-4"		±5,0		3.2-5.2	IP54		
120139908				±3,5			IP54		

TECHNICAL DATA

Parameters	
LED display	color 2,4 inch
Resolution	320×240
Indication system	MICS 4.0
Power supply	Rechargeable Li-Pol battery
Battery capacity	500
Charging port	micro-USB / magnetic
Case material	Aluminium
Buttons	Switch (Multifuntional), Reset
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.

DOWNLOAD APP



Download
Windows App



GET IT ON
Google Play



Download on the
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



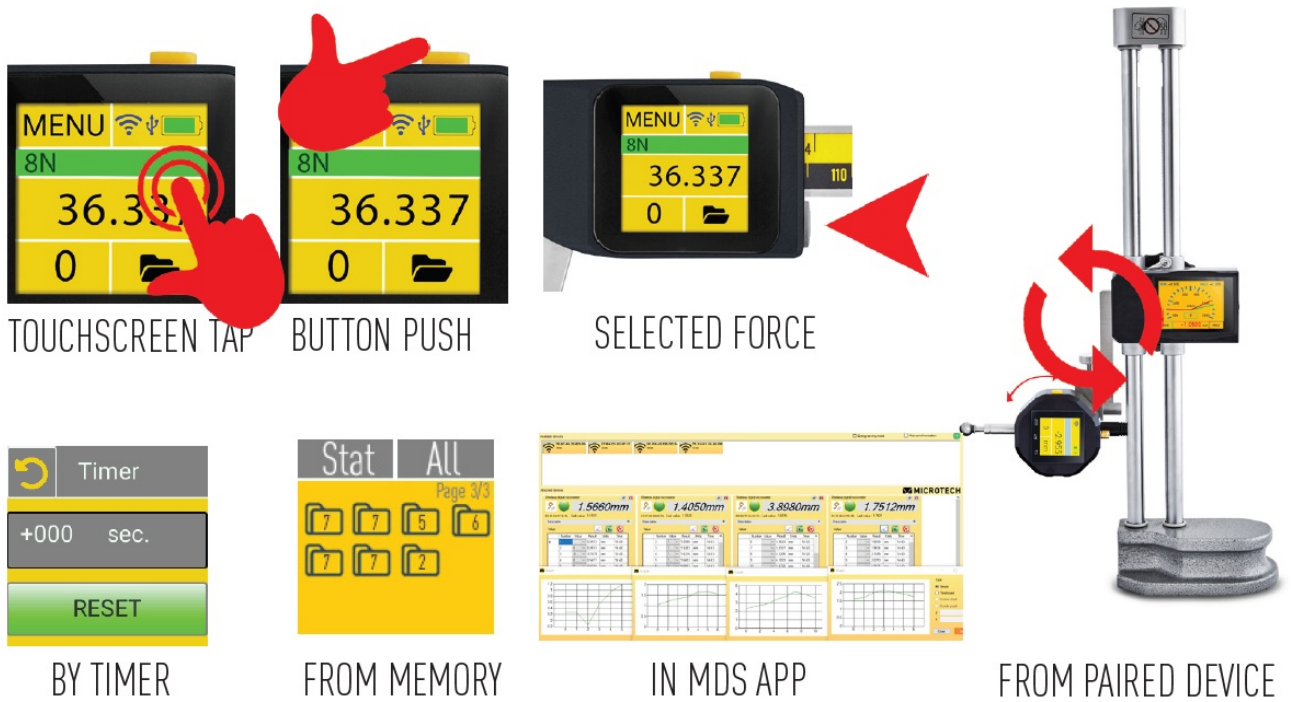
WIRELESS HID data transfer (like keyboard)
direct to any customers app and system

USB HID CONNECTION

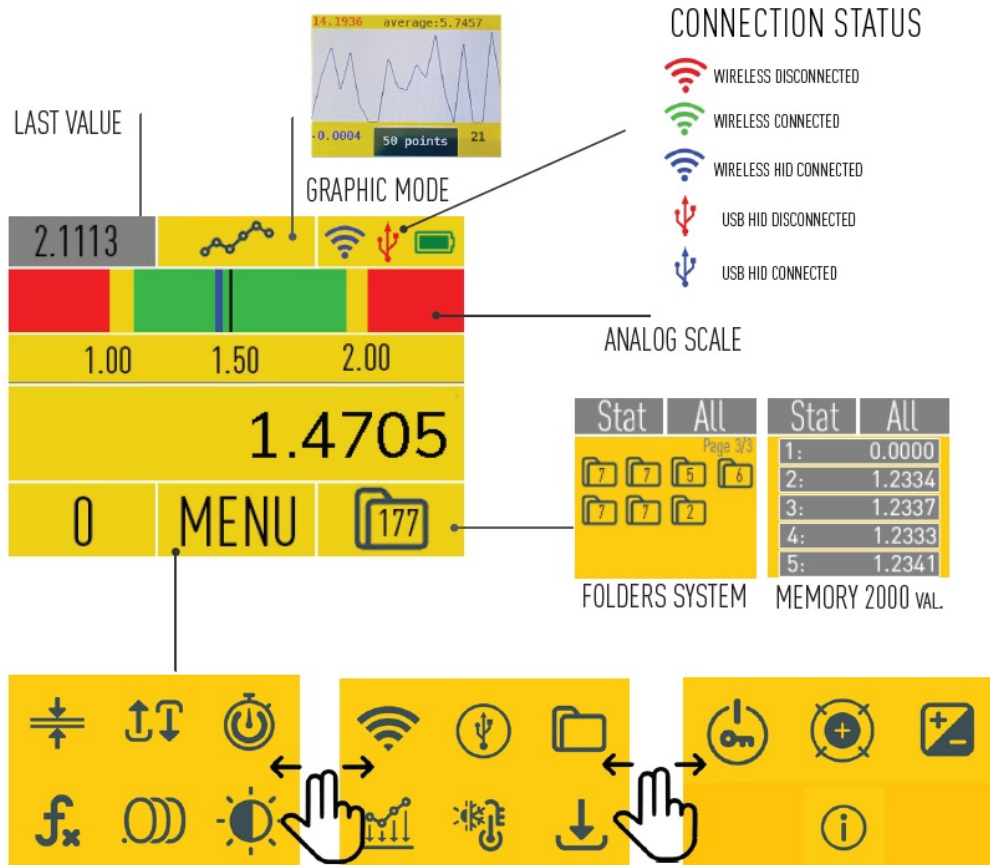


USB HID data transfer (like keyboard) direct
to any customers app and system

7 WAYS HOW TO TRANSFER DATA TO PC OR TABLET



MAIN SCREEN

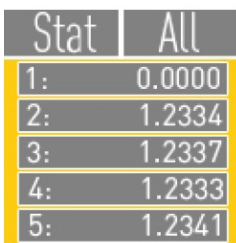


MEMORY

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.



FOLDERS SYSTEM



MEMORY 2000 VAL.



MEMORY EXPORT



STATISTIC

Basic STATISTIC functions:
 MAX - maximum saved value
 MIN - minimum saved value
 AVG - average value
 D - difference between MAX & MIN

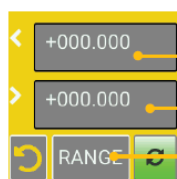


STANDARD or FOLDER system can be activated throw MEMORY menu

FUNCTIONS

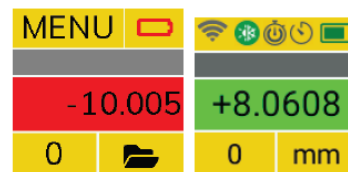


LIMITS



LIMIT's MODE
 MAX - **NoGo** more MAX value
 MIN - **NoGo** less MIN value
 RANGE - **Go** between MIN & MAX
 NONE - disactivating mode

MAIN SCREEN INDICATION

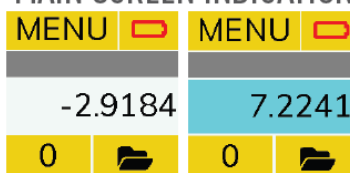


MAX/MIN

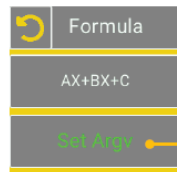


**Indication and saving
MAX or MIN values**
ENABLE - activating mode
MAX - indicating MAX measured value
MIN - indicating MIN measured value

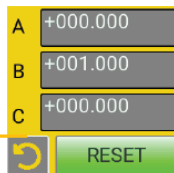
MAIN SCREEN INDICATION



FORMULA



FORMULA Ax^2+Bx+C



EXAMPLE OF FORMULA USING

Standard measuring	A=0, B=1, C=0
PRESET 50mm	A=0, B=1, C=50
Value magnification x3	A=0, B=3, C=0
Square value	A=1, B=0, C=0



TIMER



Timer
+000 sec.
RESET

Select timer period
Reset to deactivate mode



Timer
Confirm
reset?
Yes No

Saving data to memory or sending Wireless/USB by Timer



LINEAR COMPENSATION



ALL
Add

Select all points
Add new point for error compensation



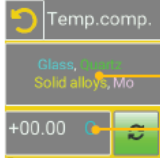
0: 0.8970
C: 0.8920
OK
RESET

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

Linear correction error's on device



TEMP COMPENSATION



Temp.comp.
Glass, Metals
Solid alloys, Mo
+00.00

7 types of material for selection
Manual Temperature setting

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



RESOLUTION



Resolution
X.0000
Millimeters

Resolution selecting
mm/inch conversion



Extra
Axis Mode
CONNECT

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

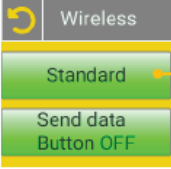


MAIN SCREEN INDICATION
+8.0608

FUNCTIONS



WIRELESS

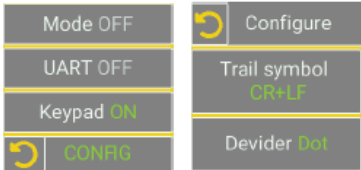


Wireless
Standard
Send data
Button OFF

WIRELESS Standard mode - data transfer to MDS App for Android, iOS, Windows
WIRELESS HID mode- direct transfer data to any App in Windows, MacOS, Linux, Android devices (like keyboard). Configure data format in USB sub-menu



USB



Mode OFF
UART OFF
Keypad ON
CONFIG

Configure
Trail symbol
CR+LF
Devicder Dot

Connect USB cable to PC & Activate USB HID connection mode
Select setting of data transfer
You can direct transfer data to any App in Windows, MacOS, Linux, Android devices (like keyboard)
ACTIVATE FIRMWARE UPDATE IF NECESSARY



RESET

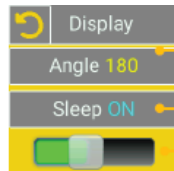


Device
Confirm
reset?
Yes No

RESET to factory settings



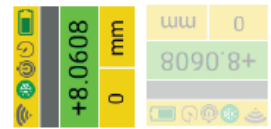
DISPLAY



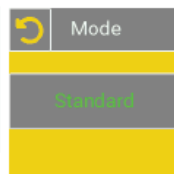
Display rotation 0°, 90°, 180°, 270°

- 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)

Brightness level



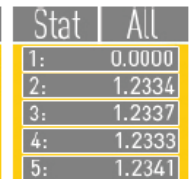
MEMORY



Activating STANDARD or FOLDER SYSTEM



FOLDERS SYSTEM



MEMORY 2000 VAL



FORCE

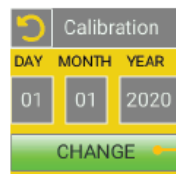


QR Link to MICROTECH web site page with MDS Software download

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

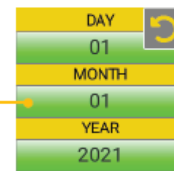


CALIBRATION



Calibration date info

Push for change date info



INFO



Information about device

- device name
- firmware version
- MAC address for easy connection

INDUSTRY 4.0 INSTRUMENTS

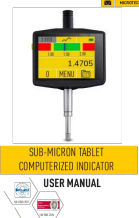


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Documents / Resources

	MICROTECH 120139135 Sub Micron Tablet Computerized Indicator [pdf] User Manual 120139135 Sub Micron Tablet Computerized Indicator, 120139135, Sub Micron Tablet Computerized Indicator, Tablet Computerized Indicator, Computerized Indicator, Indicator
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References

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