

SUB-MICRON TABLET COMPUTERIZED INDICATOR

USER MANUAL





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	320x240
Indication system	MICS 4.0
Power supply	Rechargeable Li-Pol battery
Battery capacity	500
Charging port	micro-USB / magnetic
Case material	Aluminium
Buttons	Switch (Multifunctional), Reset
Wireless data transfer	Long range
USB data transfer	USB HID

DOWNLOAD APP

DOWNLOAD APP



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

CONNECTION

MICS indication system
hi-res colour Touchscreen

Multifunctional button



0.1µm



MICROTECH



FREE SOFTWARE



WIRELESS
UP TO 100M



USB HID CONNECTION



KEYBOARD MODE 

CHARGING

BUILT-IN BATTERY - rechargeable Li-Pol battery

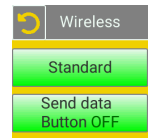
For charging connect USB cable
Charging process indicating
on Battery status
(switch on device)

DATA TRANSFER

Activate **WIRELESS** data transfer

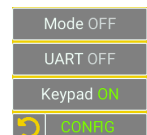
Connect caliper with **MICS** indication system to Tablet or PC
Send data to Tablet or PC:

- by Touchscreen
- by button push
- by Timer (activated in Timer menu)
- from Internal Memory
- with activated Automatic Force mode (activated in Force menu)



Activate **USB** data transfer

- connecting with USB cable to any OS and app in keyboard mode
- sending direct data with usual USB cable
- send values by Touchscenn, Button push, Timer, Memory

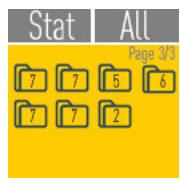




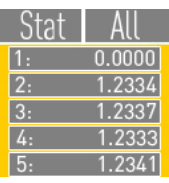
For save measuring data to internal caliper's memory touch data area on screen or button push. You can view saved data throw menu or send Wireless or USB connection to Windows PC, Android or iOS devices.

You can save up to 2000 values to memory

It's possible to use Standard or Folders system.



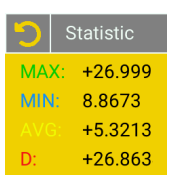
FOLDERS SYSTEM



MEMORY 2000 VAL.



MEMORY EXPORT

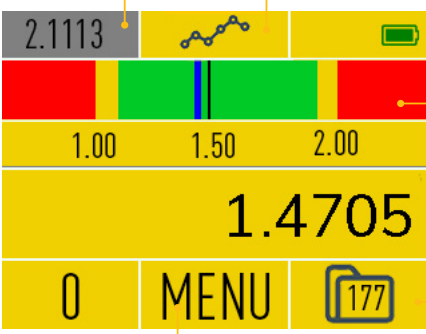
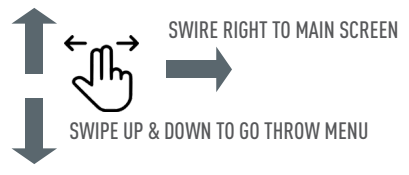
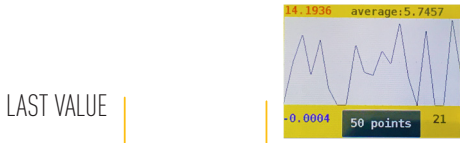


Basic STATISTIC functions:
 MAX - maximum saved value
 MIN - minimum saved value
 AVG - average value
 D - difference between MAX & MIN

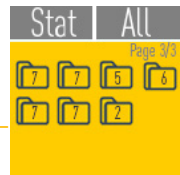


STANDARD or FOLDER system can be activated throw MEMORY menu

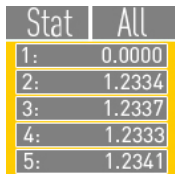
MENU NAVIGATION



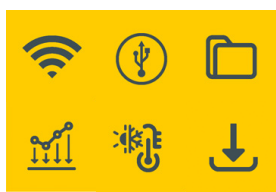
ANALOG SCALE



FOLDERS SYSTEM

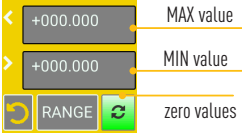


MEMORY 2000 VAL.



LIMITS GO/NOGO

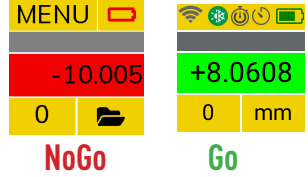
MENU SETTING



Color indication limits

MAX - NoGo more MAX value
 MIN - NoGo less MIN value
 RANGE - Go between MIN & MAX
 NONE - disactivating mode

MAIN SCREEN INDICATION



PEAK - MAX/MIN

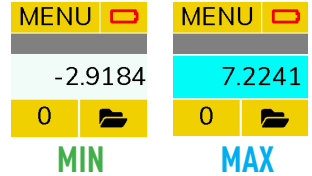
MENU SETTING



Indication and saving MAX or MIN values

ENABLE - activating mode
 MAX - indicating MAX measured value
 MIN - indicating MIN measured value

MAIN SCREEN INDICATION



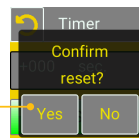
TIMER

MENU SETTING



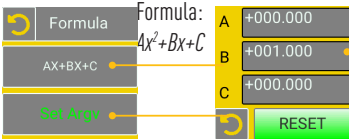
Saving data to memory or sending Wireless/USB by Timer

Select timer period
 Reset to disactivate mode



FORMULA

MENU SETTING



FORMULA Ax^2+Bx+C

Long push digit to select value

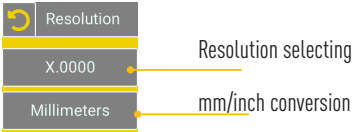
Reset to zero arguments

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

RESOLUTION

MENU SETTING



Resolution selecting

mm/inch conversion

MAIN SCREEN INDICATION

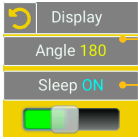


Selecting resolution of value on main screen and memory

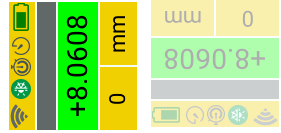
DISPLAY SETTING

MENU SETTING

DISPLAY ROTATION, BRIGHTNESS, SLEEPING MODE



- 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)



WIRELESS CONNECTION

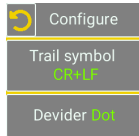
Activating or deactivating wireless data transfer

Selecting Wireless Data transfer Power up to 40dB

USB CONNECTION



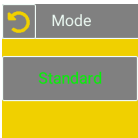
USB HID CONNECTION
DIRECT TO ANY APP



DEVICER AND TRAIL
SYMBOL CONFIG

MEMORY SETTINGS

MENU SETTING Activating STANDARD or FOLDERS MODE



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

FOLDERS SYSTEM MEMORY 2000 VAL.

MATHEMATICAL ERROR COMPENSATION

MENU SETTING

Mathematical correction points with big error to normal values



- Select all points
- Add new point for error compensation



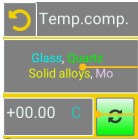
- actual values
- correct values by up&down button
- confirm point correction

use gauge blocks or measuring machine for points correction



TEMPERATURE COMPENSATION

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



7 types of material for selection

Manual Temperature setting

7 types of material:

- glass, quartz, solid alloys
- granite, graphite
- Fe, Ni, Fe alloys
- stainless steel
- cooper, Cu alloys
- aluminium, al alloys
- acrylic sheet



LINK TO SOFTWARE

MENU SETTING



QR Link to MICROTECH web site page with MDS Software download

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



RESET



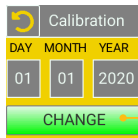
RESET to factory settings



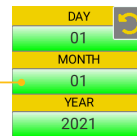
CALIBRATION DATE

MENU SETTING

Calibration date info



Push for change date info



DEVICE INFO



Information about device

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



MICROTECH

MICROTECH

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