

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					

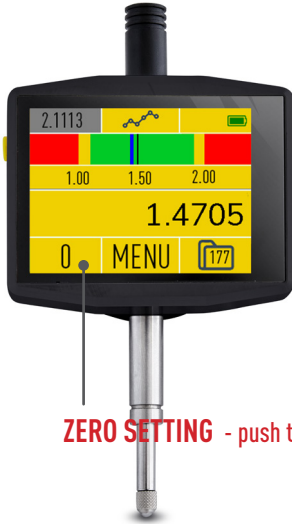
TECHNICAL DATA

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 (Multifuntional), Reset
Wireless data transfer	Long range / HID
USB data transfer	USB HID

MAIN INFO



MICROTECH



- 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

ZERO SETTING - push to ZERO setting

DOWNLOAD APP

DOWNLOAD APP



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



3 MODES OF DATA TRANSFER (USB + 2 WIRELESS MODES)



WIRELESS CONNECTION TO MDS APP



FREE SOFTWARE



WIRELESS data transfer to MICROTECH MDS app for Windows, Android, iOS

WIRELESS HID CONNECTION



KEYBOARD MODE

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

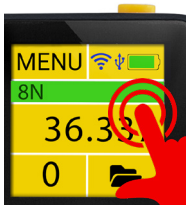
USB HID CONNECTION



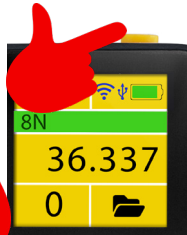
KEYBOARD MODE

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



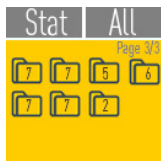
BUTTON PUSH



SELECTED FORCE



BY TIMER



FROM MEMORY



IN MDS APP



FROM PAIRED DEVICE



LAST VALUE: 2.1113

GRAPHIC MODE: 14.1936 average: 5.7457, -0.0004, 50 points, 21

ANALOG SCALE: 1.00, 1.50, 2.00

MENU: 177

CONNECTION STATUS

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

FOLDERS SYSTEM

Stat	All
7	7
7	5
7	2

MEMORY 2000 VAL.

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

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

Stat	All
7	7
7	5
7	2

MEMORY 2000 VAL.

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

MEMORY EXPORT

Delete or Send?

Del | Send

STATISTIC

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

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



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

Go NoGo MAIN SCREEN INDICATION



FORMULA

FORMULA Ax^2+Bx+C

A +000.000
 B +001.000
 C +000.000

Set Argv
 RESET

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

Saving data to memory or sending Wireless/USB by Timer

Select timer period
 Reset to disactivate mode



LINEAR COMPENSATION

Linear correction error's on device

Select all points
 Add new point for error compensation

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



TEMP COMPENSATION

Temp.comp.
 Glass, Quartz
 Solid alloys, Mo

7 types of material for selection

+00.00
 Manual Temperature setting

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



RESOLUTION

Resolution
 X.0000
 Resolution selecting

Millimeters
 mm/inch conversion

MAIN SCREEN INDICATION



Extra
 Axis Mode
 Inverted
 Selecting normal or inverted axis mode (+/- value indication)

CONNECT
 Selecting base reading options

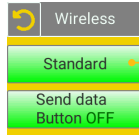
FUNCTIONS



MICROTECH



WIRELESS



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



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



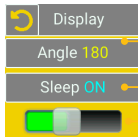
RESET



RESET to factory settings



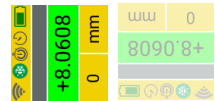
DISPLAY



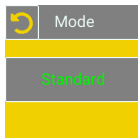
Display rotation 0°, 90°, 180°, 270°

- 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)

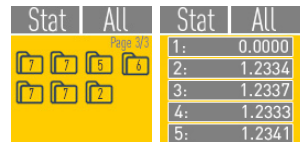
Brightness level



MEMORY



Activating STANDARD or FOLDER SYSTEM



FOLDERS SYSTEM

MEMORY 2000 VAL.



FORCE

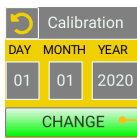


QR Link to MICROTECH web site page with MDS Software download

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



CALIBRATION



Calibration date info

Push for change date info



INFO



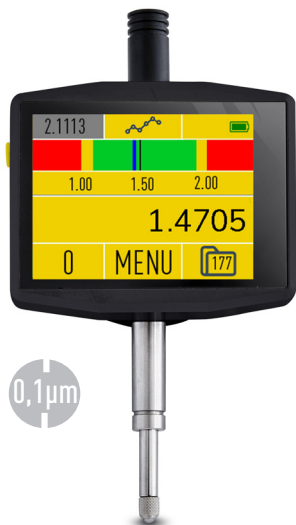
Information about device

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

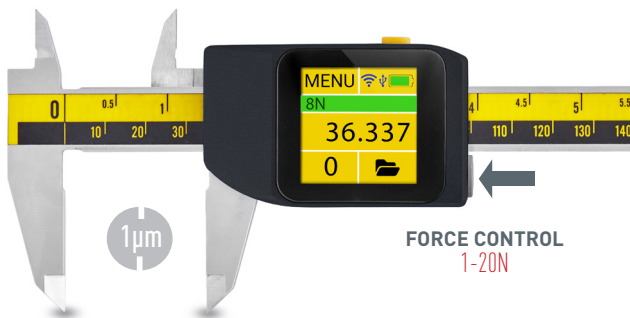


MICROTECH

INDUSTRY 4.0 INSTRUMENTS



0,1µm



FORCE CONTROL
1-20N

1µm



0,1µm



0,1µm



1µm

MICROTECH

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