L: 2.1141
177
1.00 1.50 2.00
1.4705
0   MENU

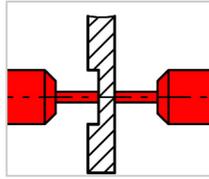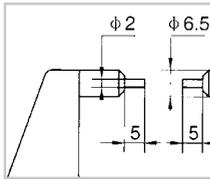# SMALL TIP (SPLINE) TABLET MICROMETER
USER MANUAL

Item No	Range		Reso-lution	Accu-racy	Anvils types	Proof	Preset	Graphic	Analog scale	Go/NoGo	Max/Min	Formula	Timer	Temp comp	Linear corr	Calibr date	Recharge	Memory	WIRELESS	USB
	mm	inch	mm	µm																
110650258	0-25	0-1"	0,0001	±3	D 2mm	IP-65	•	•	•	•	•	•	•	•	•	•	•	2000 val	Long+ HID	USB HID
110650508	25-50	1-2"		±3			•	•	•	•	•	•	•	•	•	•	•			
110650758	50-75	2-3"		±4			•	•	•	•	•	•	•	•	•	•	•			
110651008	75-100	3-4"		±4			•	•	•	•	•	•	•	•	•	•	•			

φ2 φ6.5
5 5

TECHNICAL DATA

Parameters	
LED display	color 2,4 inch 320x240
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

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 Windows App

Download on the App Store

GET IT ON Google play

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

MICROTECH

WIRELESS CONNECTION TO MDS APP

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

FREE SOFTWARE

Windows iOS android

NO DONGLE

SAVING DATA TO XLS. CSV FORMATS

TRANSFER DATA TO CAD, SPC OR OTHER SOFTWARE

TRANSFER DATA TO EXCEL OR OTHER TABLE EDITORS

SAVING GRAPH

WIRELESS HID CONNECTION
USB HID CONNECTION

NO DONGLE

Windows iOS android LINUX macOS

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

TRANSFER DATA TO CAD, SPC OR OTHER SOFTWARE

TRANSFER DATA TO EXCEL OR OTHER TABLE EDITORS

TRANSFER DATA TO ANY BROWSWE OR APP

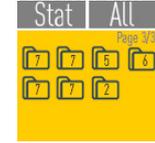## 7 WAYS HOW TO TRANSFER DATA TO PC OR TABLET
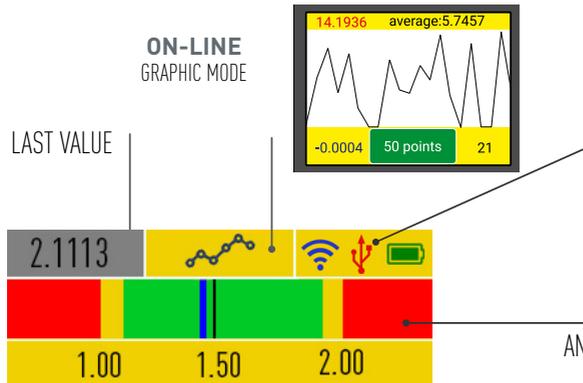
TOUCHSCREEN TAP

BUTTON PUSH

SELECTED FORCE

BY TIMER

FROM MEMORY

IN MDS APP

MAIN SCREEN

CONNECTION STATUS

ON-LINE GRAPHIC MODE

14.1936   average:5.7457

-0.0004   50 points   21

LAST VALUE

WIRELESS DISCONNECTED

WIRELESS CONNECTED

WIRELESS HID CONNECTED

USB HID DISCONNECTED

USB HID CONNECTED

2.1113

ANALOG SCALE

1.00   1.50   2.00

1.4705

0   MENU   177

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
Page 3/3
7 7 5 6
7 7 2

FOLDERS SYSTEM

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

MEMORY 2000 VAL.

Stat	All
Delete or Send?
Del | Send
5: | 1.2341

MEMORY EXPORT

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

STATISTIC

MAIN SCREEN on 2D mode

ANALOG SCALE
FOR **PROBE** MODE

ON-LINE
GRAPHIC MODE

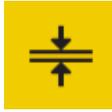0   P 0.334

0   75.573

MENU   177
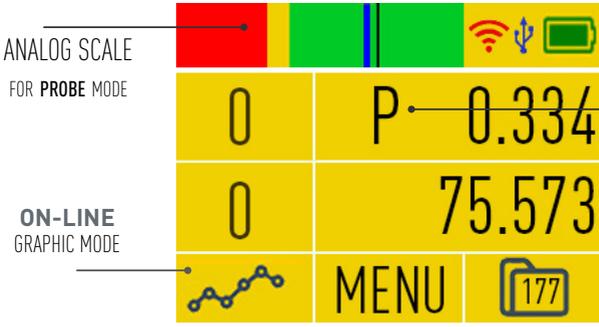
2D AND **HUB** MODE

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- Synchronized 2 axis data reading

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
NONE - Analog scale active

> 2.000 — Upper limit
< 3.000 — Lower limit
% 20 — Yellow zone on analog scale
SCALE   RES

PEAK mode MAX/MIN

INDICATION AND SAVING MAX OR MIN VALUES

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

Max/Min
Enabled
MAX

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

TIMER mode

SAVING DATA TO MEMORY OR SENDING WIRELESS/USB BY TIMER

Timer
0.000 sec — Select timer period
Reset — Reset to disactivate mode

FORMULA mode

Formula
Ax^2+Bx+C — Select FORMULA Type (Math, Radius or other)
Set Argv — Select arguments

RESOLUTION selection

Resolution
X.0000 — Resolution selecting
mm — 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
Angle 270
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)

O: 17.251 — actual values
C: 17.258 — correct values by up&down button
UP   OK — confirm point correction
DN   RES

TEMP compensation

Temp.com.
Cu, Cu alloys
27.5°C   RES

Manual Temperature setting

4 types of material for selection:
- Glass, Quartz
- Stainless steel
- Cuprum and alloys
- Alluminium and alloys

WIRELESS data transfer

Recconection button
Wireless power regulation

Wireless
HID
CLEAR

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

USB
USB ON
CONF KEY

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

A.C.on - Auto Connection active
A.C.off - Auto Connection no active
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- Synchronized 2 axis data reading
Disable - switch off modes

HUB MODE
A.C,on
Probe
0.500
Connect
Axis X
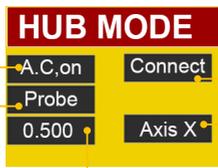
External Wireless device conneciton

Axis priority selecting

Setting PROBE limit value

2D MODE

A.C.on - Auto Connection active
A.C.off - Auto Connection no active
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- Synchronized 2 axis data reading
Disable - switch off modes

HUB MODE
A.C,on
2D Sync
Connect
TAB
Gr. X,Y
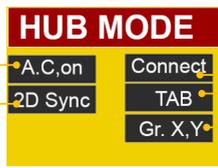
External Wireless device conneciton

Symbol between Axis

Graphic mode indication setting

FUNCTIONS

MICROTECH

LINK to app's

QR Link to MICROTECH web site page
with MDS Software download
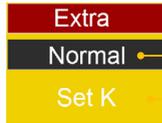- Android, iOS, Windows versions
- Free and Pro versions
- Manuals

RESET to Factory settings

Extra
Reset to factory ——— Push 10 times to RESET device to factory settings
Firmware update ——— Push 10 times to FIRMWARE UPDATE

EXTRA

Extra
Normal ——— Selecting normal or inverted axis mode (+/- value indication)
Set K ——— Coefficient setting (for distributor and calibration only)

MEMORY manager setting

Mode
Standard
Values in Folder:
0

Mode
Folder
Values in Folder:
7 ——— Values in each Folder

Activating STANDARD
or FOLDER SYSTEM

FOLDERS SYSTEM

CALIBRATION date info

Display
Day Month Year
1 1 2023 ——— Push for change calibration date info

Device INFO

MICROTECH
www.microtech.ua
FW 4.0.37
XX:XX:XX:XX:XX:XX

Information about device
- Firmware version
- MAC adress for WIRELESS connection

INDUSTRY 4.0 INSTRUMENTS

2.1113

1.00　1.50　2.00

1.4705

0　MENU　177

0,1µm

MENU

8N

36.337

0

1µm

FORCE CONTROL
1-20N

MENU

37.7437

0

0,1µm

L: 2.1141　177

1.00　1.50　2.00

1.4705

0　MENU

MICROTECH

0-25mm　0-1'

IP65

0,1µm

MIN.+8.300　MAX.+1.000

200　600　1200

MIN.　+1.0500 mm　MAX

1µm

MICROTECH

innovative measuring instruments

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