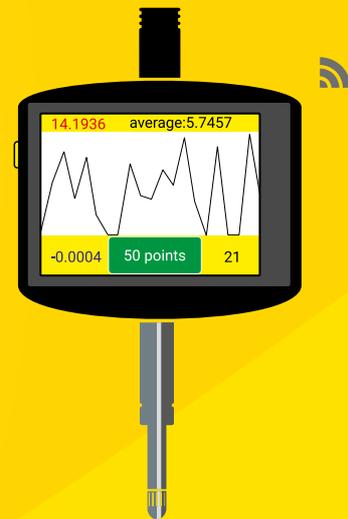


 **MICROTECH**

est. 1995

U K R A I N E



MICROTECH INSTRUMENTS CONNECTION BOOK



WIRELESS CONNECTION TO IOS DEVICES



WIRELESS CONNECTION TO ANDROID DEVICES



WIRELESS CONNECTION TO WINDOWS DEVICES



WIRELESS
HID

WIRELESS HID CONNECTION



USB HID

USB HID CONNECTION



HUB

HUB CONNECTION



FIRMWARE UPDATE



TROUBLESHOOTING

CONTENT

PAGE

6

10

16

26

29

30

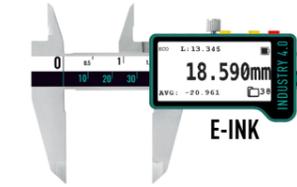
31

32

MICROTECH INSTRUMENTS FUNCTIONS



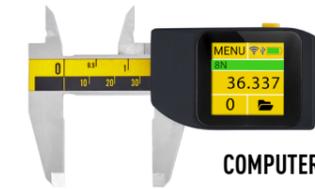
TABLET



E-INK



DIGITAL USB



COMPUTERIZED



DIGITAL WIRELESS

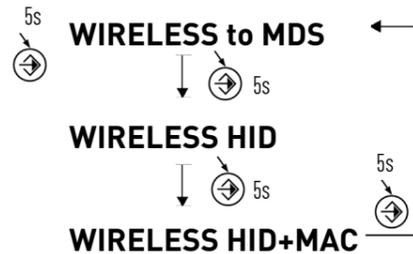
Functions	COMPUTERIZED				DIGITAL	
	TABLET LAB	TABLET	COMPUTERIZED	E-ink	WIRELESS	USB
Display	Color 3,5"	Color 2,4"	Color 1,54"	Mono 2,13"	Digital	
Resolution	480x320	320x240	240x240	250x122		
Touchscreen	•	•	•	•		
Charging socket	Micro-USB IP67					
Rechargeable battery	•	•	•	•		
Battery status	•	•	•	•		
Energy saving modes					•	•
Auto sleep on	•	•	•	•	•	•
Memory	val.	2000	2000	2000	1000	
	Folders	•	•	•		
	Statistics	•	•	•	•	
	Data transfer	•	•	•	•	
Connection	Wireless	Long range to MDS app for Windows, Android, iOS, MacOS (Free & Pro version)				
	Wireless HID	HID connection direct to any app and OS (like keyboard) with format config				
	Wireless HID+MAC	HID connection direct to any app and OS (like keyboard) with MAC address				
	USB HID	HID USB connection direct to any app and OS (like keyboard) with format config				HID USB
HUB mode	Modbus/PLC	option	option			
	2D master	Wireless Sync like Master				
	2D slave	Wireless Sync like Slave device				
3D Probes operating	Probe mode	Wireless Sync with ext Probes				
	Manual mode	•				
	Auto mode	•				
	Geometric measuring	•				
	Motor-driven operation	option				
	External joystick	option				
	Connection status	•	•	•	•	
	Preset	Preset manager with quick activating			•	option
	Adjustable Analog scale	•	•			
	Formula	•	•	•	•	
	Limits (Go/NoGo)	•	•	•	•	
	Peak (Min/Max)	•	•	•	•	
	Last value (HOLD)	•	•	•	•	option
	Resolution selection	•	•	•	•	
	mm/inch selection	•	•	•	•	•
	Linear correction	•	•	•	•	
	Temperature correction	•	•	•	•	
	Timer	•	•	•	•	
	Calibration date	•	•	•	•	
	Password manager	•	•	•		
	User manager	•	•	•		
	Firmware update	•	•	•	•	

DATA TRANSFER POSSIBILITIES

DIGITAL WIRELESS INSTRUMENTS

3 DATA TRANSFER MODES:

- WIRELESS data to MDS app (Windows, Android, MacOS, iOS)
- WIRELESS HID to any app and OS
- WIRELESS HID+MAC to any app and OS (with MAC address)



E-INK INSTRUMENTS

3 DATA TRANSFER MODES:

- WIRELESS data to MDS app (Windows, Android, MacOS, iOS)
- WIRELESS HID to any app and OS (DOT/COMMA; SYMBOLS config)
- USB HID to any app and OS (dot/comma/symbols config)

EXTRA FUNCTIONS: DATA TRANSFER from MEMORY, by TIMER



CONNECTION STATUS INDICATION



DATA TRANSFER POSSIBILITIES

COMPUTERIZED INSTRUMENTS

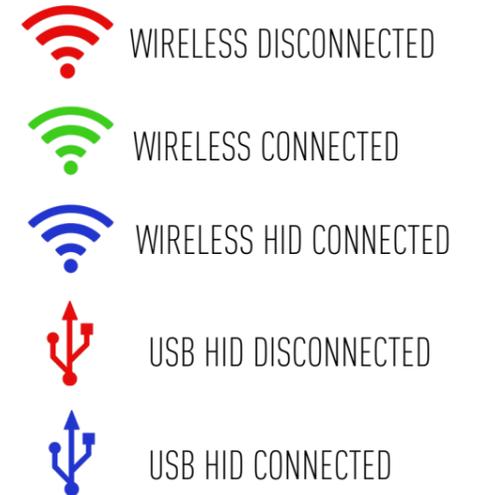


5 DATA TRANSFER MODES:

- WIRELESS data to MDS app (Windows, Android, MacOS, iOS)
- WIRELESS HID to any app and OS (dot/comma/symbols config)
- WIRELESS HID+MAC to any app and OS (with MAC address)
- USB HID to any app and OS (dot/comma/symbols config)
- HUB (2D, Probe) synchronization (Slave device)

EXTRA FUNCTIONS: DATA TRANSFER from MEMORY, FOLDERS, TIMER

CONNECTION STATUS INDICATION



TABLET INSTRUMENTS



6 DATA TRANSFER MODES:

- WIRELESS data to MDS app (Windows, Android, MacOS, iOS)
- WIRELESS HID to any app and OS (dot/comma/symbols config)
- WIRELESS HID+MAC to any app and OS (with MAC address)
- USB HID to any app and OS (dot/comma/symbols config)
- HUB (2D, Probe)synchronization (Slave device)
- HUB (2D, Probe) synchronization (Master device)

EXTRA FUNCTIONS: DATA TRANSFER from MEMORY, FOLDERS, GRAPHIC, SYNCHRONIZED DEVICE, TIMER



MDS for iOS	
	299100060
Platform	iOS
Max. instruments	8
mm/inch conversion	+
Max Distance, m	up to 50m
Foot-Switch connection	-
Display value	+
Go/NoGo functions	+
Graphical mode	+
Timer	+
Measuring history	+
Save data to csv	+
Save graph	+
User manager	+
Device battery status indication	+
Voice mode	+
Multilanguage	English, Ukrainian, Russian

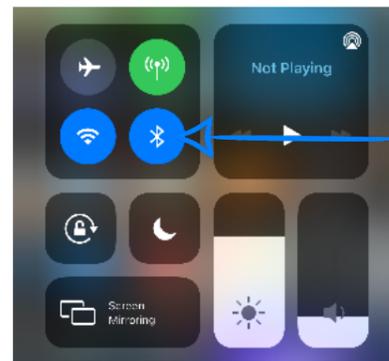
APP INSTALLATION

Install the latest MDS App from App Store. Standard version (2 connections) for FREE. PRO version of MDS_app for iOS can be order throw App



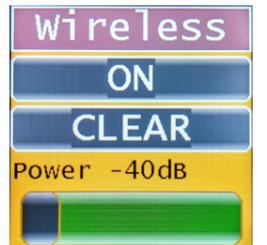
APP ACCESS

Confirm application access to Bluetooth module of Smartphone. Make sure that Bluetooth is switched on (App request it to receiving data from Wireless and Computerized MICROTECH instruments



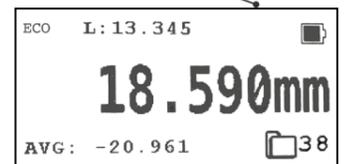
COMPUTERIZED INSTRUMENTS TABLET INSTRUMENTS

- Before starting connection or searching on MDS app Select WIRELESS ON mode on Computerized or Tablet instrument in connection menu
- Select optional Connection Power for better stability and connection distance



E-INK INSTRUMENTS

- Before starting connection and searching on MDS app Select WIRELESS mode on E-ink instrument in connection menu
- MENU+DATA button 2sec - Data transfer setting Wireless, Wireless ON - WIRELESS data transfer to MDS App



DIGITAL WIRELESS INSTRUMENTS

- Before starting the connection, you should start the search in the MDS app and select the WIRELESS mode in the MDS app using the DATA button according to the device manual.

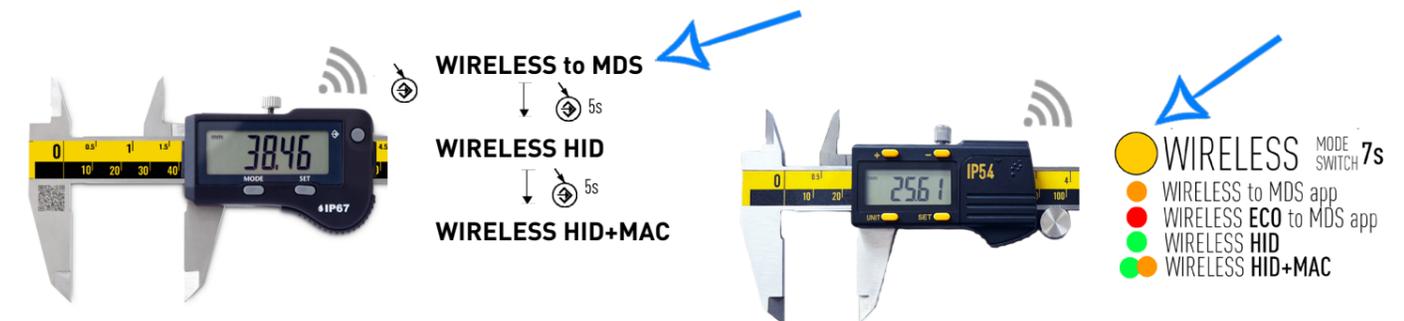
STANDARD MODE

- non stop data transfer 4 times/sec
- CR2032 battery works in non stop data transfer up to 100h

ECONOMY MODE

- data transfer only by Wireless button press
- CR2032 battery works in this mode up to 6 months

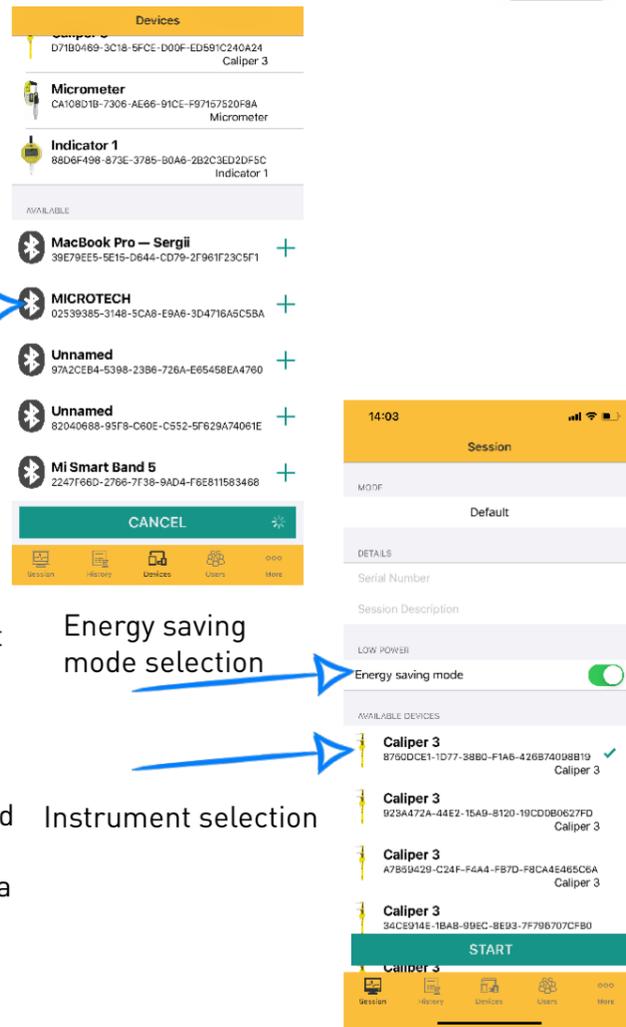
We recommend to use ECONOMY MODE for WIRELESS INSTRUMENTS



Add MICROTECH instruments to DEVICES list:

- Switch on the MICROTECH instrument. Activate Wireless mode on instrument.
- Open DEVICES menu in MDS App and TAP SEARCH button
- Wireless devices around the Smartphone will be displayed.
- Find desired device with MICROTECH name and + button in app to add it.
- You can add any qty of instruments to Device list.

INSTRUMENTS CONNECTION



Start SESSION:

- Select one of available devices (added to devices list before)
- For using Wireless instruments (non Computerized electronics) recommended to select «Energy saving mode».
- Don't use «Energy saving mode» with Computerized instruments
- In FREE version you can use up to 2 instruments in a session at the same time.
- In PRO version you can use up to 8 instruments in a session at the same time.

Energy saving mode selection

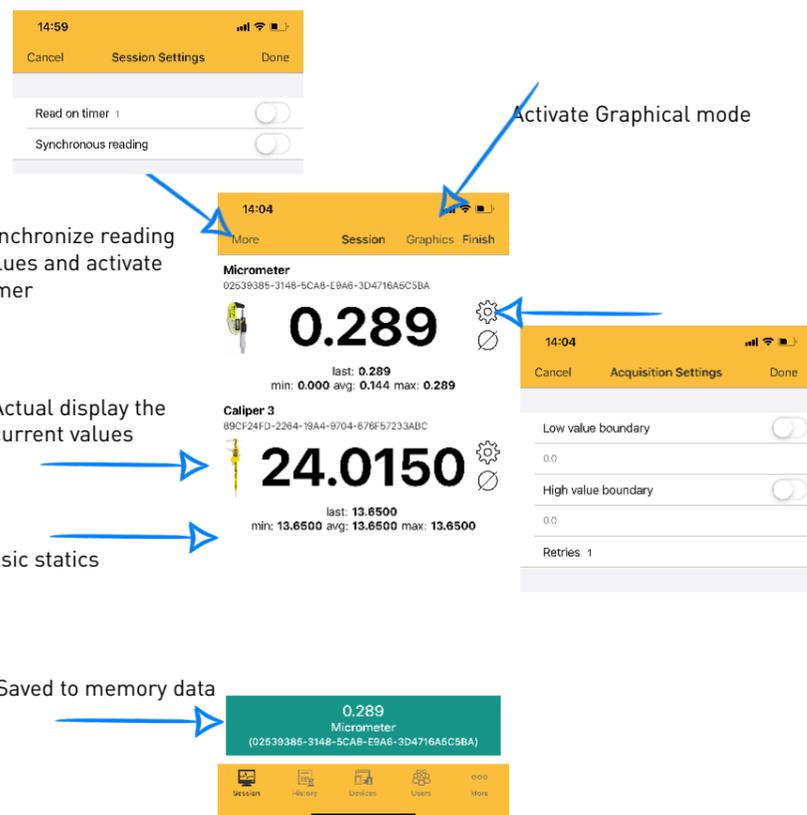
Instrument selection

MEASURING PROCESS AND DATA SAVING

- When SESSION started you can receive data from connected instruments. In **Standard mode** (data transferring non-stop 4 times/sec) for saving value:
- press the button or tap Touchscreen on instruments
 - tap to actual value area on MDS App
 - save values by Timer on App or instrument
 - receive values from internal memory of instruments

In **Energy saving mode** for saving values:

- Press Wireless button on instrument



Synchronize reading values and activate Timer

Actual display the current values

Basic statics

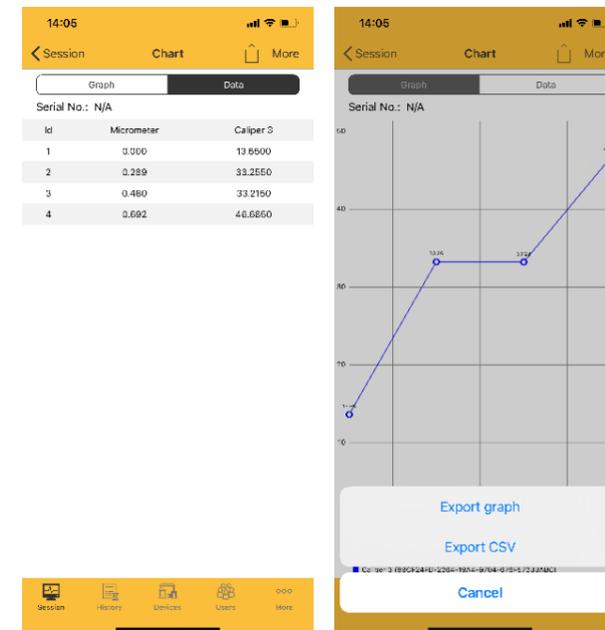
Saved to memory data

Activate Graphical mode

MEASURING PROCESS

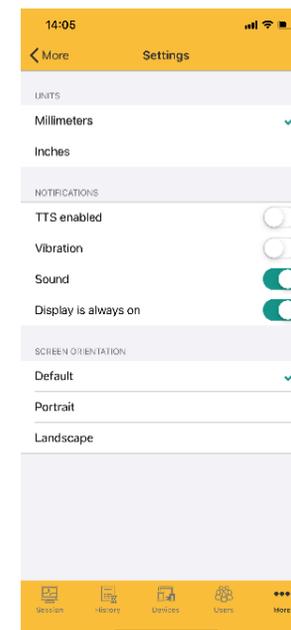
GRAPH AND DATA MODE

- Tap Graph button to activate the Graphical mode.
- view graph
 - export graph
 - view and export actual data



SETTINGS:

Use SETTINGS menu to select Language, Units (Metric or inch system), TTS settings (Voice mode), Display rotation, Backlight, etc.



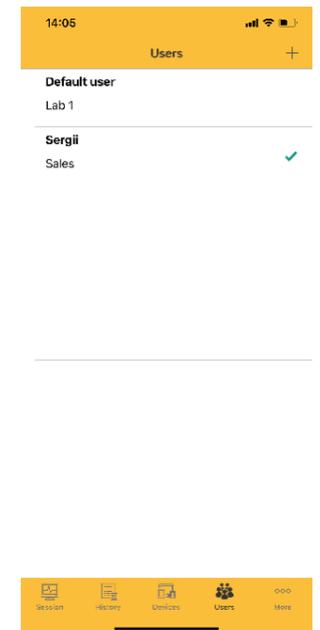
HISTORY

You can save current SESSION to HISTORY. All saved sessions and values in HISTORY can be viewed and exported.

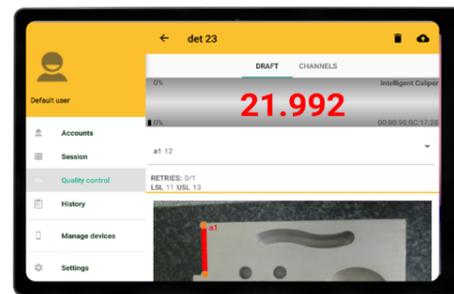


ACCOUNTS:

You can create users account by account menu. Info about Users displaying in measuring History. Measuring history can be associate with Users.



MDS for Android	
	299100050
Platform	Android 6,0 +
Max. instruments	8
Energy saving mode	+
Max Distance, m	up to 50m
mm/inch conversion	+
Go/NoGo functions	+
Graphical mode	+
Reading on Timer	+
Measuring history	+
Save data to xls	+
Save data to csv	+
Save graph	+
User manager	+
Device battery status indication	+
Quality control mode	+
Import & processing details draws, photos	+
Voice mode	+
Multilanguage	English, Spanish, French, Italian, Ukrainian, Russian, Chinese, Korean, Turkish, Czech, Poland, Hungarian, etc.



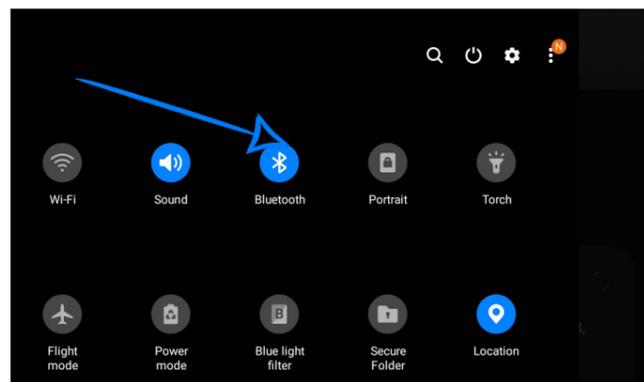
APP INSTALLATION

Install the latest MDS App from GooglePlay. Standard version (2 connections) for FREE. PRO version of MDS_app for iOS can be order throw GooglePlay.



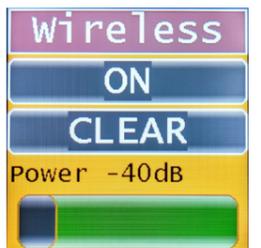
APP ACCESS

Confirm application access to Bluetooth module of Smartphone. Make sure that Bluetooth and Location are turned on (App request it to receiving data from Wireless and Computerized MICROTECH instruments)



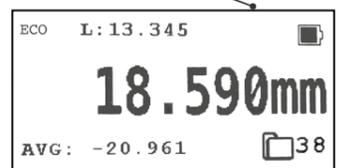
COMPUTERIZED INSTRUMENTS TABLET INSTRUMENTS

- Before starting connection or searching on MDS app Select WIRELESS ON mode on Computerized or Tablet instrument in connection menu
- Select optional Connection Power for better stability and connection distance



E-INK INSTRUMENTS

- Before starting connection and searching on MDS app Select WIRELESS mode on E-ink instrument in connection menu
- MENU+DATA button 2sec - Data transfer setting Wireless, Wireless ON - WIRELESS data transfer to MDS App



DIGITAL WIRELESS INSTRUMENTS

- Before starting the connection, you should start the search in the MDS app and select the WIRELESS mode in the MDS app using the DATA button according to the device manual.

STANDARD MODE

- non stop data transfer 4 times/sec
- CR2032 battery works in non stop data transfer up to 100h

ECONOMY MODE

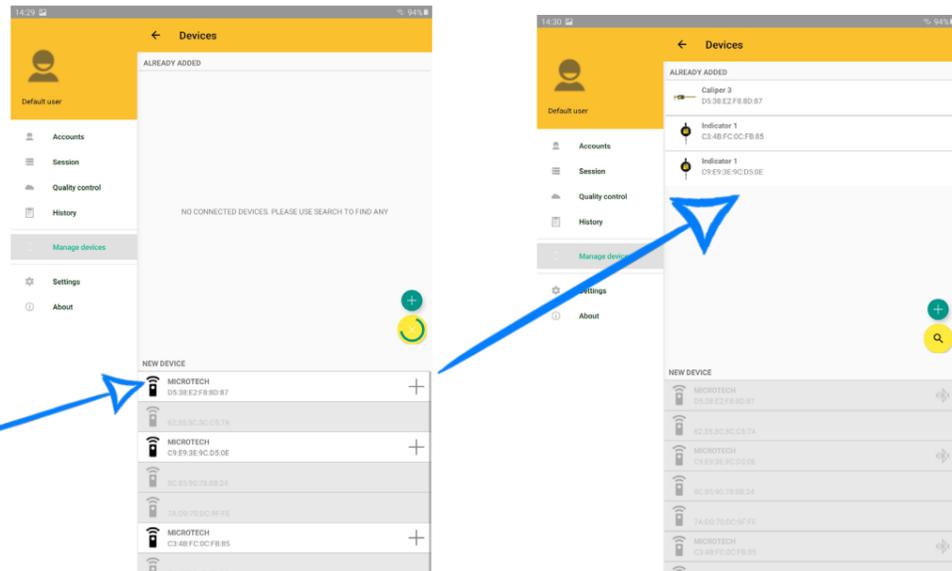
- data transfer only by Wireless button press
- CR2032 battery works in this mode up to 6 months

We recommend to use ECONOMY MODE for WIRELESS INSTRUMENTS



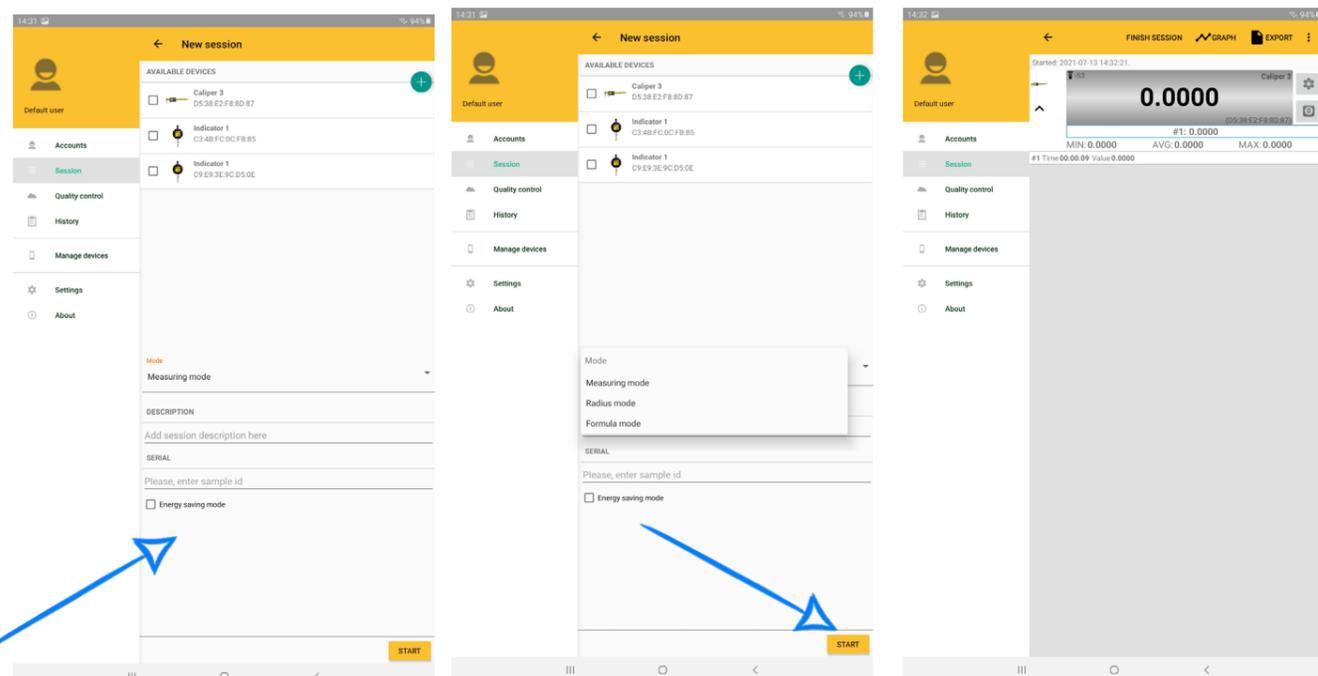
Add MICROTECH instruments to DEVICES list:

- Switch on the MICROTECH instrument. Activate Wireless mode on instrument.
- Open MANAGE DEVICES menu in MDS App and Press SEARCH button
- Wireless devices around the Tablet or Smartphone will be displayed.
- If you can't find any Wireless device around - check App setting (Bluetooth and Location must be switch on)
- Find desired device with MICROTECH name and MAC adress and touch + button in app to add it.
- You can add any qty of instruments to Device list.



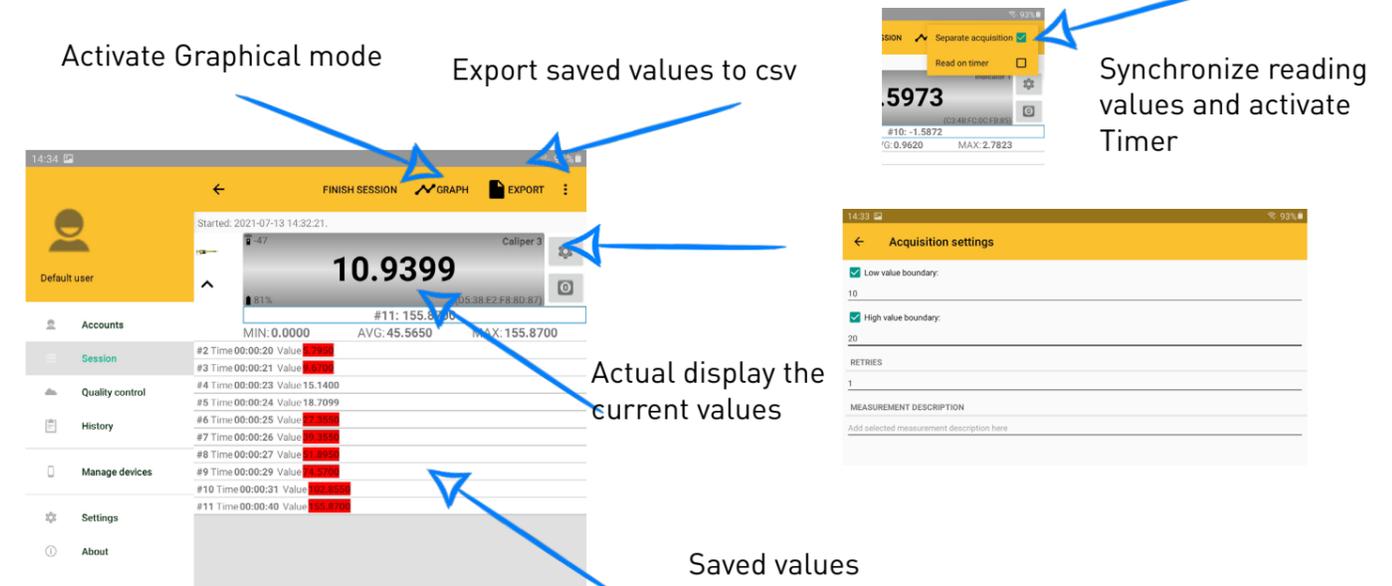
Start SESSION:

- Select one of available devices (added to devices list before, if necessary press + to add more)
- For using Wireless instruments (non Computerized electronics) recommended to select «Energy saving mode».
- Don't use «Energy saving mode» with Computerized instruments
- Radius and Formula mode can be used for special measurings
- In FREE version you can use up to 2 instruments in a session at the same time.
- In PRO version you can use up to 8 instruments in a session at the same time.



MEASURING PROCESS AND DATA SAVING

- When SESSION started you can receive data from connected instruments.
- In **WIRELESS Standard mode** (data transferring non-stop 4 times/sec) for saving value:
- press the button or tap Touchscreen on instruments
 - tap to actual value area on MDS App
 - save values by Timer on App or instrument
 - receive values from internal memory of instruments
- In **Energy saving mode** for saving values:
- Press Wireless button on instrument

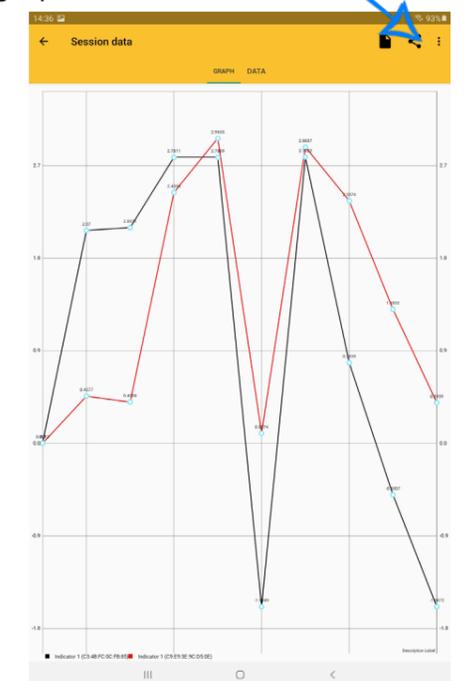
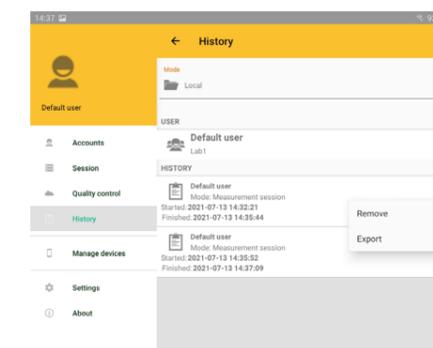


GRAPH MODE

- Tap Graph button to activate Graphical mode.
- possible to view online values updates on Graph or view the saved values from SESSION window
- graph settings gives possibility to view legend and time axis on graph.
- export graphic in png format

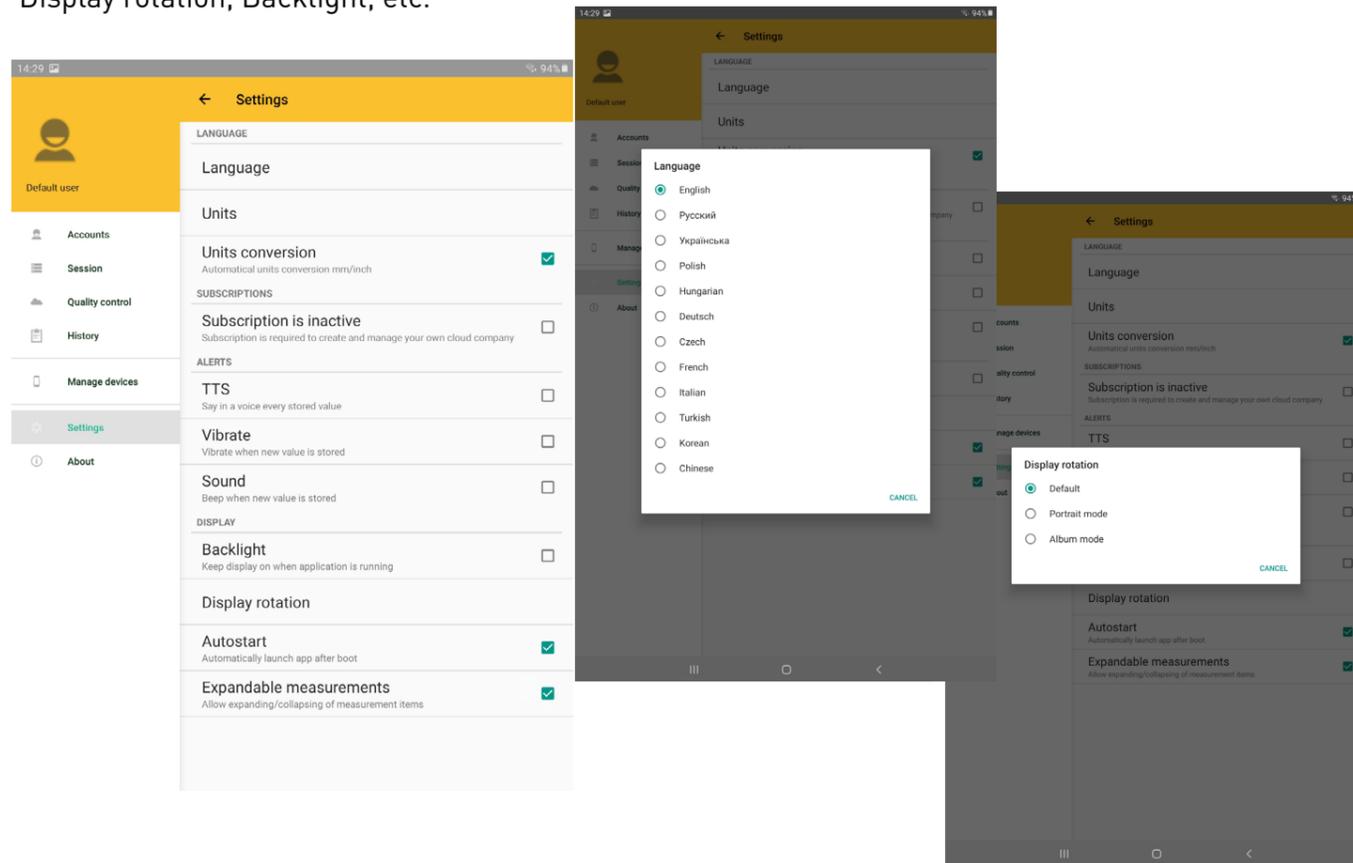
HISTORY

You can save current SESSION to HISTORY. All saved sessions and values in HISTORY can be viewed and exported.



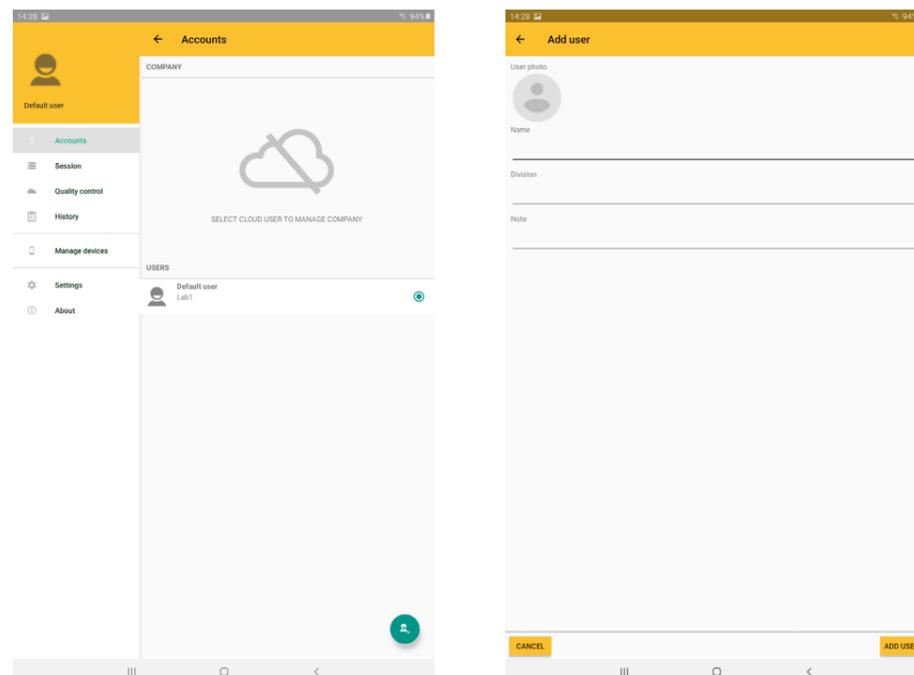
SETTINGS:

Use SETTINGS menu to select Language, Units (Metric/ inch system), TTS settings (Voice mode), Display rotation, Backlight, etc.



ACCOUNTS:

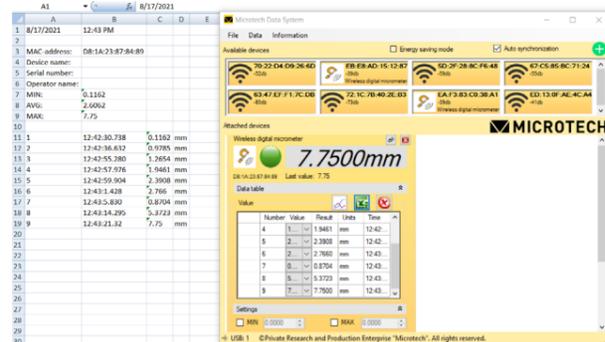
You can create users account by account menu.
 Info about Users displaying in measuring History.
 Measuring history can be associate with Users.





FUNCTIONS

MicrotechData for Windows			
	FREE	STANDARD	PRO
	299100530	299100550	299100570
Platform	Windows 7, 8, 10		
Max. instruments	1	4	32
USB-dongles (max qty)	1	1	8
Standard/Energy saving mode	+	+	+
Max Distance, m	up to 50m		
Autoconnection	+	+	+
Filtering non MICROTECH devices	+	+	+
Data reading Synchronizing	-	+	+
User manager	+	+	+
Foot-Switch connection	+	+	+
mm/inch conversion	+	+	+
Go/NoGo functions	+	+	+
Graphical mode	-	+	+
2D-Graphical mode	-	+	+
Timer	+	+	+
Resolution selection	+	+	+
Export to external programs	+	+	+
Save data to csv	+	+	+
Save data to xls*	+	+	+
Save data to pdf*	+	+	+
Save graph png	-	+	+
Multilanguage	Українська, Русский, English, Deutsch, Italiana, Española, Český, Türk, Polski, Français, Magyar		
Supplying	microtech.ua	USB-drive	USB-drive



APP INSTALLATION

Download & Install the latest MDS App for Windows from www.microtech.ua or order PRO and STANDARD version from nearest MICROTECH distributor



FIND YOUR DISTRIBUTOR



ACCESORIES FOR MDS APPLICATION

Item No	Type
299100550	MDS 5.0 STANDARD app for Windows
299100570	MDS 5.0 PRO app for Windows
299190001	USB-Dongle for Windows
299190004	1m Cable extension for USB-Dongle
299190000	USB-Footswitch for Windows
299190009	Wireless / USB-Footswitch for Windows

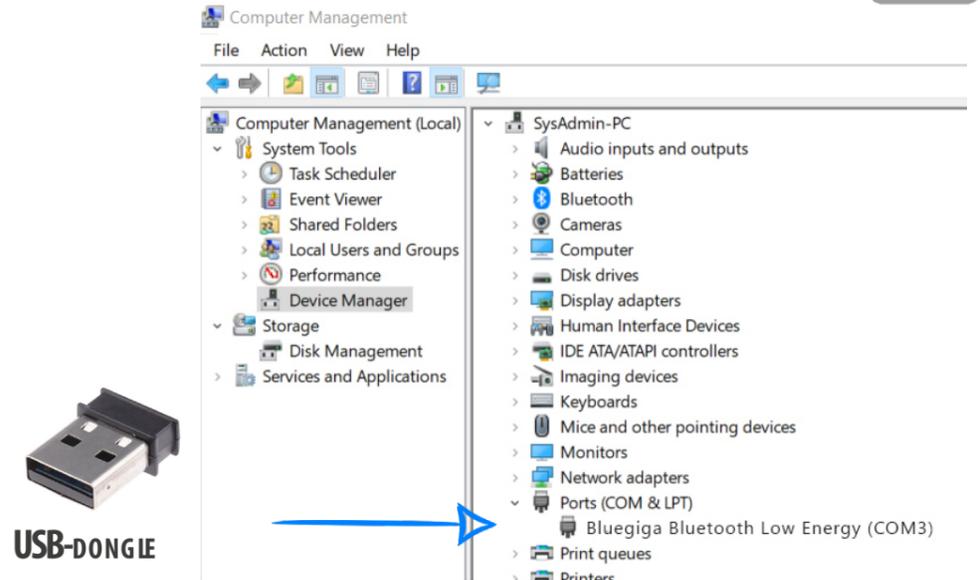


CONNECTION SET



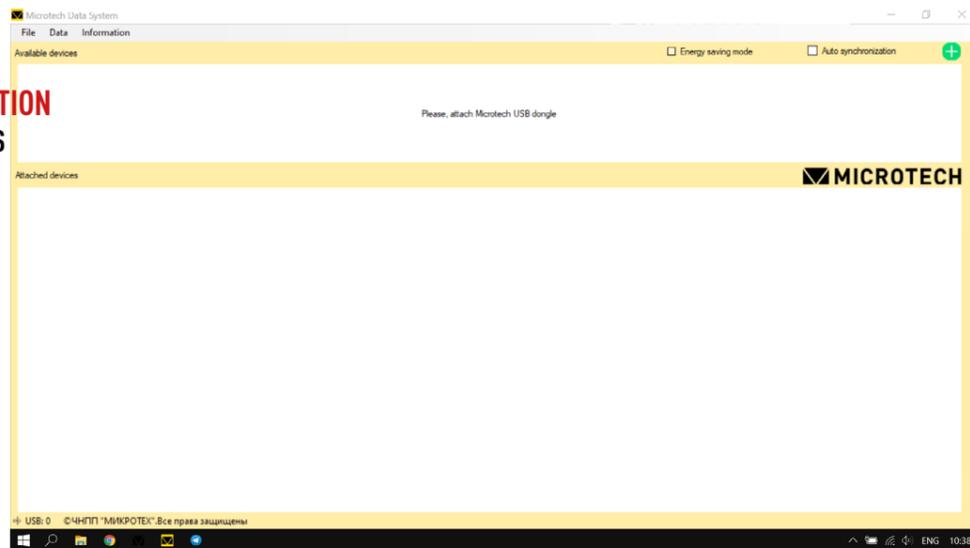
Item No	Type	Accessories in SET			Recommended (max) connected devices
		Application	USB-dongles	Cable-Extensions	
299110504	STANDARD MDS data set	MDS 5.0 STANDARD app for Windows	1	1	4
299110810	PRO MDS data set	MDS 5.0 PRO app for Windows	2	2	10 (16)
299110840	PRO+ MDS data set	MDS 5.0 PRO+ app for Windows	4	4	16 (32)

USB DONGLE CONNECTION

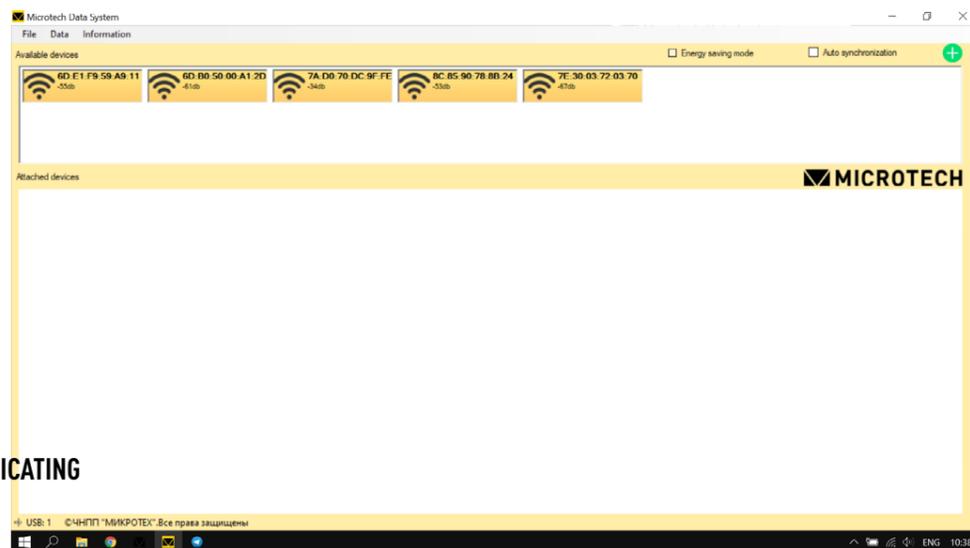


To connect instruments to PC, it is necessary to use USB-dongle on PC (Item 299190001)
 Connect USB -dongle to PC
 -Check driver status on device manager
 -In MDS software you can check how many USB-Dongle is active.
 When USB-Dongle connected - all wireless devices around you will be displayed automatically

WITHOUT USB DONGLE CONNECTION
NO VISIBLE SURROUNDING WIRELESS DEVICES



USB DONGLE CONNECTED
VISIBLE SURROUNDING WIRELESS DEVICES



QTY OF CONNECTED USB-DONGLES INDICATING

INSTRUMENT CONNECTION

COMPUTERIZED INSTRUMENTS TABLET INSTRUMENTS

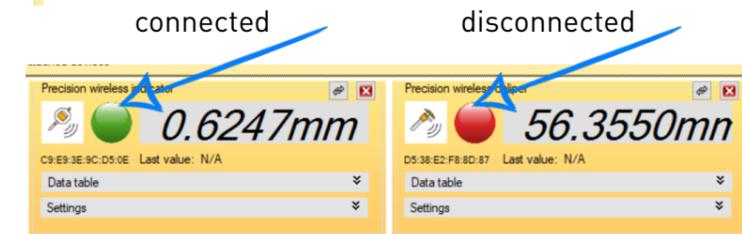
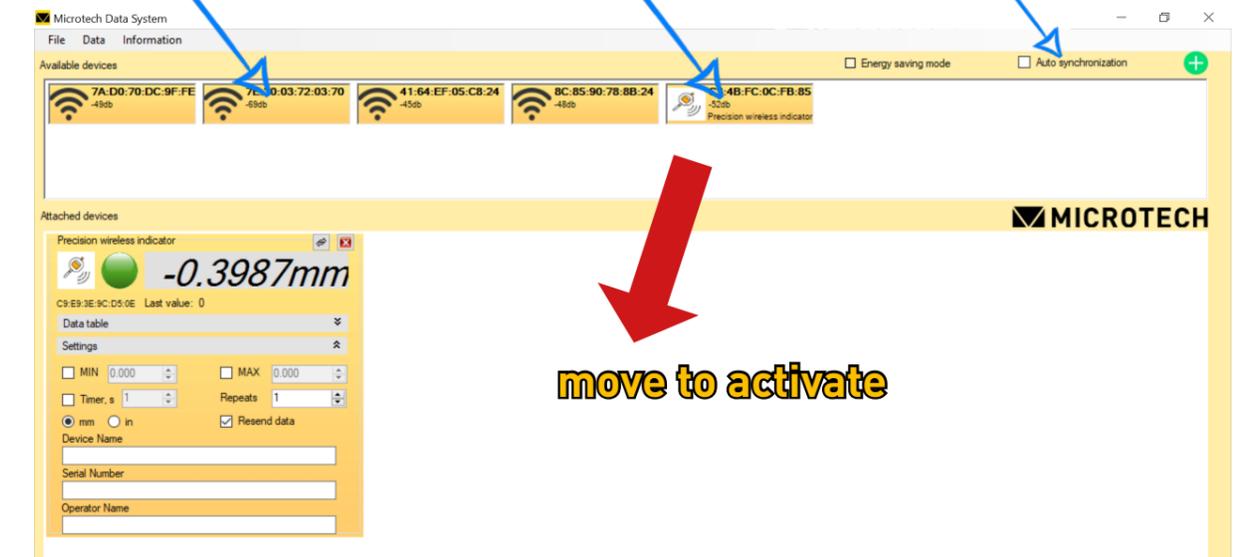
- Before starting connection or searching on MDS app Select WIRELESS ON mode on Computerized or Tablet instrument in connection menu
- Select optional Connection Power for better stability and connection distance

In **WIRELESS ON** mode data transfer can be executed via pressing the button or use touchscreen on Computerized device, by Timer on Computerized device, by clicking on actual value in Windows app, by Timer in Windows App, by Footswitch in Windows app.

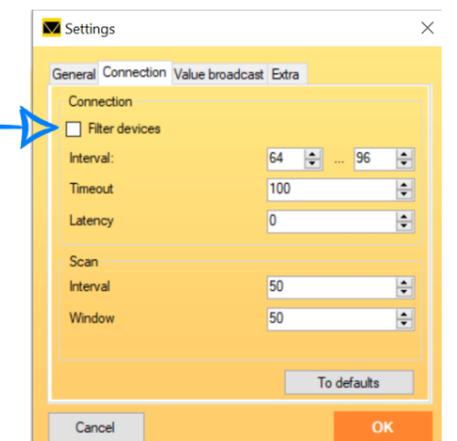


- The device will appear on «Available devices» area
- Move selected instrument from «Available devices» area to «Activated devices» area.
- Activate Auto Synchronization to automatic activating switched on MICROTECH devices.
- Select Filtering device mode in Connection menu to view only MICROTECH instruments.

other WIRELESS devices MICROTECH instruments Activate Auto synchronization



Select Filtering device mode in Connection menu to view only MICROTECH instruments in Available devices area



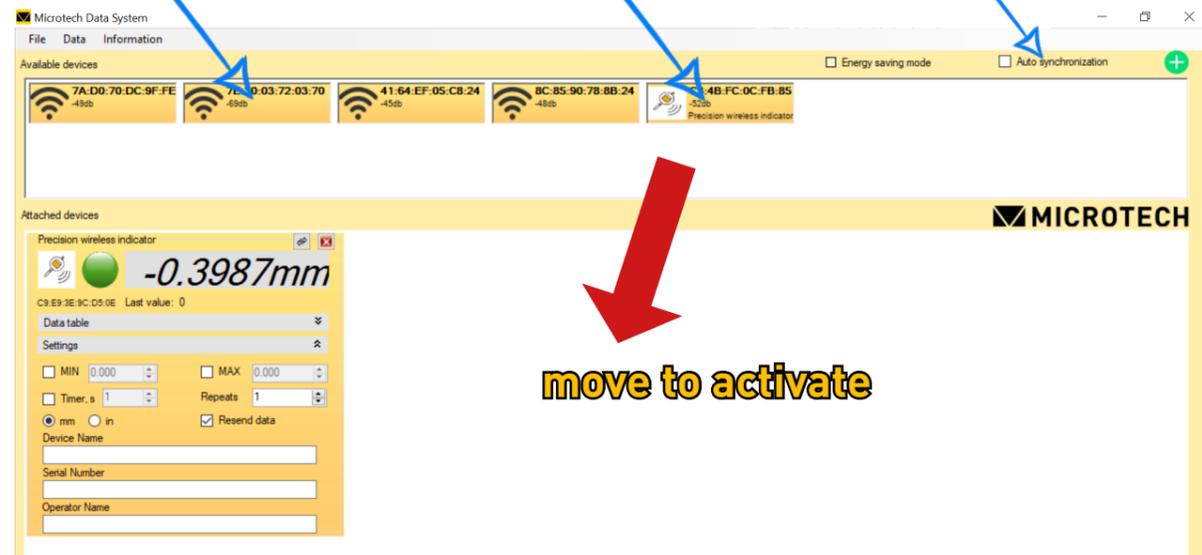
DIGITAL WIRELESS INSTRUMENTS

Before starting connection or searching on MDS app press and hold the data transmission button for 5 Seconds. By default, digital wireless devices start in WIRELESS mode, which is indicated by a constantly blinking wireless icon on the display. When you hold the button for 5 Seconds for the first time, WIRELESS mode is activated.



- The device will appear on «Available devices» area
- Move selected instrument from «Available devices» area to «Activated devices» area.
- Activate Auto Synchronization to automatic activating switched on MICROTECH devices
- Select Filtering device mode in Connection menu to view only MICROTECH instruments.

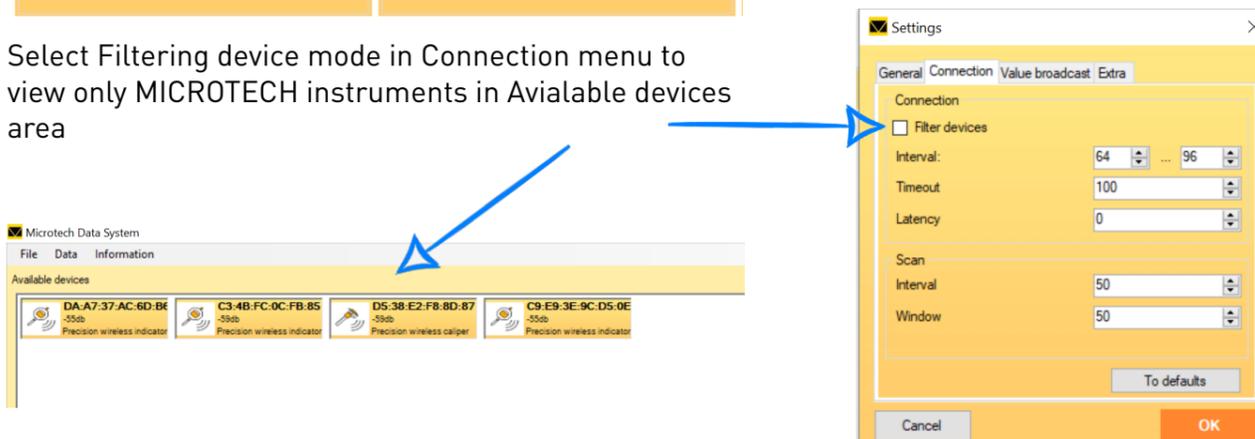
other WIRELESS devices MICROTECH instruments Activate Auto synchronization



connected disconnected

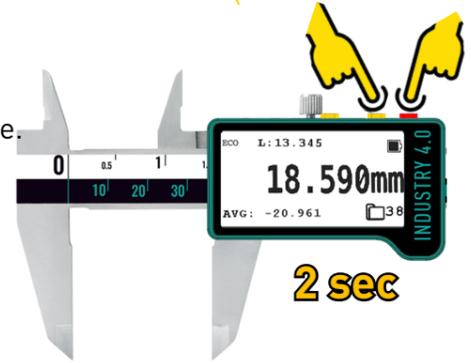


Select Filtering device mode in Connection menu to view only MICROTECH instruments in Available devices area



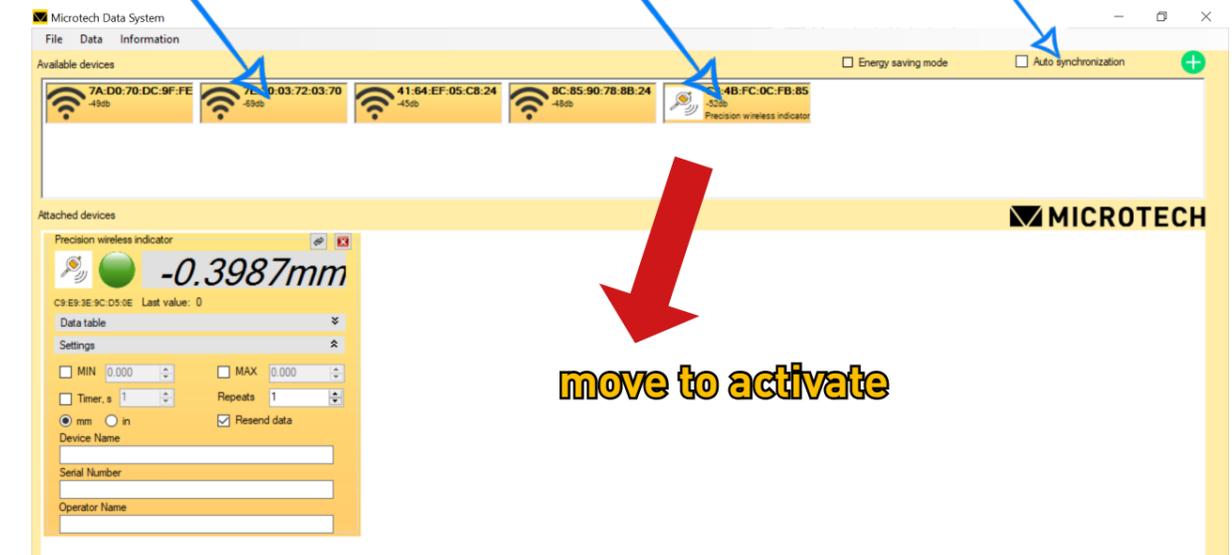
E-INK INSTRUMENTS

Before starting connection or searching on MDS app hold MENU+DATA button for 2sec and select WIRELESS ON mode. Wireless mode indicating by  icon on a top right corner.



- The device will appear on «Available devices» area
- Move selected instrument from «Available devices» area to «Activated devices» area.
- Activate Auto Synchronization to automatic activating switched on MICROTECH devices
- Select Filtering device mode in Connection menu to view only MICROTECH instruments.

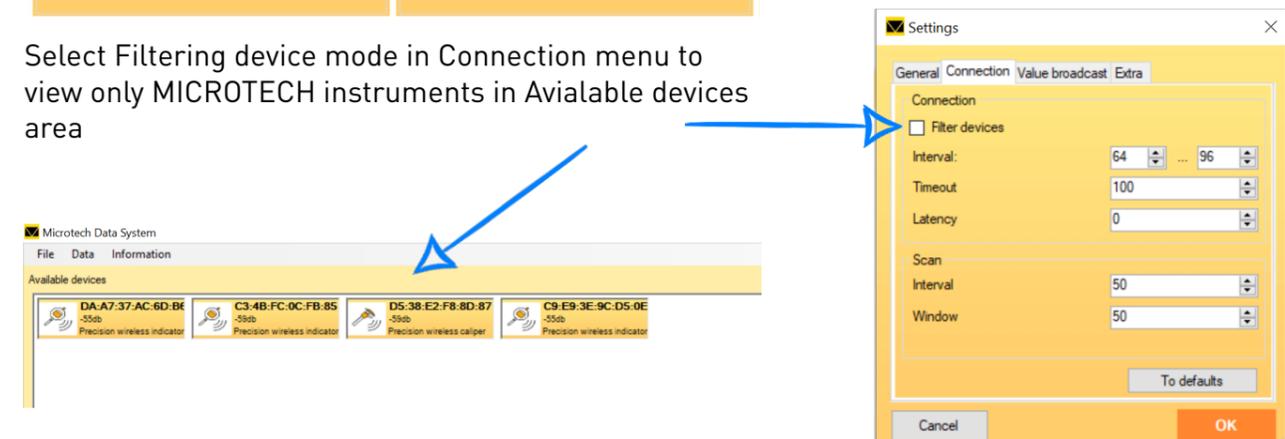
other WIRELESS devices MICROTECH instruments Activate Auto synchronization



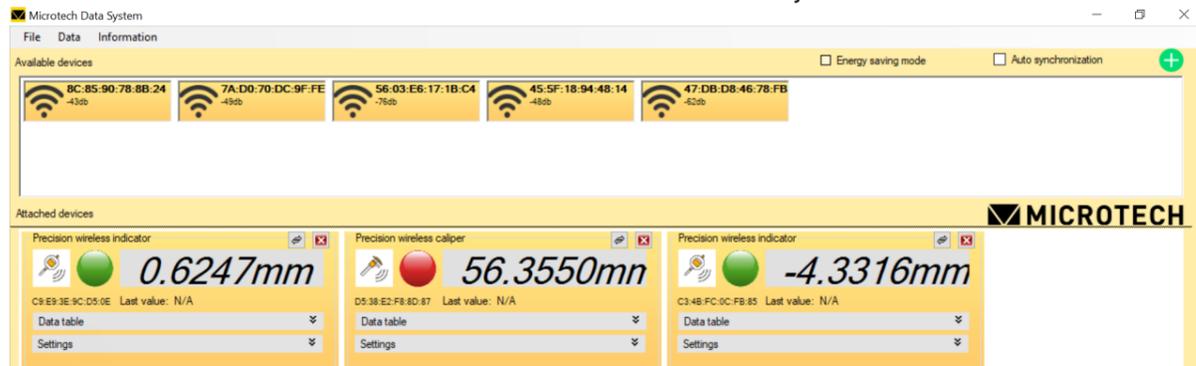
connected disconnected



Select Filtering device mode in Connection menu to view only MICROTECH instruments in Available devices area



Connect USB dongle and power on Wireless or Computerized devices.
 Wireless and Computerized devices will be appeared in Available devices area
 To start data transfer move them to Attached devices area. If Auto synchronization is switched on, devices will be moved to Attached devices area automatically.



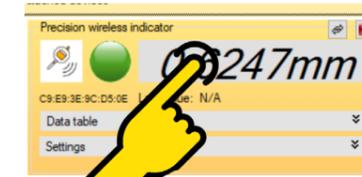
DEVICE WINDOW OPERATIONS

connection status
 actual value
 Data table area with saved data from instrument
 Values settings:
 - Limit's indication in table
 - Timer function
 - Resend data to other Windows app activation
 - Device extended info (Device name, serial No, Operator info)

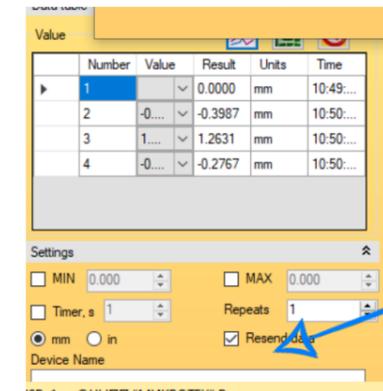
RESOLUTION & UNIT SELECTION

mm/inch selection
 Resolution (Number of digit after decimal point) selection in Setting menu

How to save values to table in STANDARD mode:
 by pressing the button or tapping touch screen on your device
 by timer activating inside instrument
 by pushing actual value on MDS Windows app
 by timer activating on MDS Windows app
 by footswitching on MDS Windows app

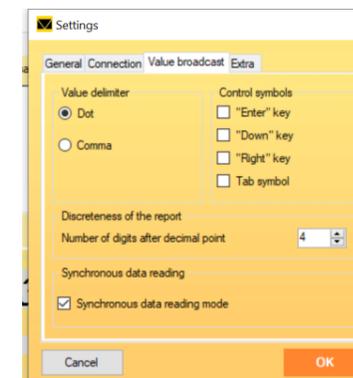


RESEND VALUES



Actual values (receiving from instrument) can be

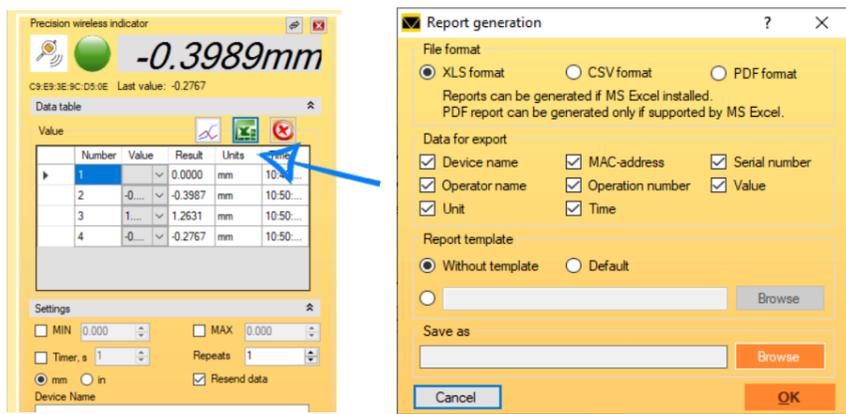
Activate Resend data



If necessary select value options (Dot/Comma) and Control symbol in Setting menu

Resend values to external app

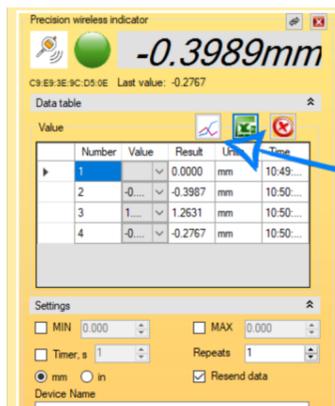
The diagram shows the 'Microtech Data System' window with a 'Wireless digital micrometer' displaying 3.1269mm. An arrow points from the 'Data table' to a Google Docs spreadsheet where the value 3.1269 is entered in cell D5.



Example of exported xls file

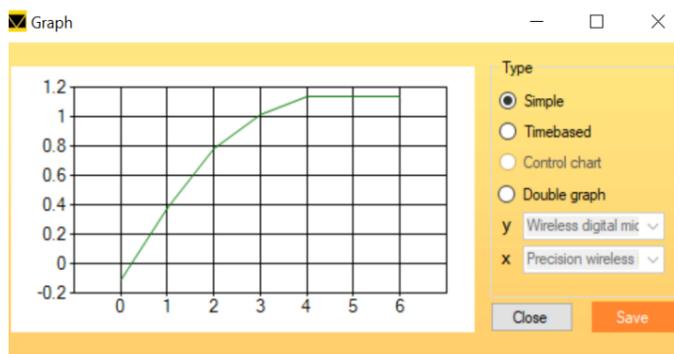
	A	B	C	D
1	7/13/2021	11:01		AM
2				
3	MAC-address:	C9:E9:3E:9C:D5:0E		
4	Device name:			
5	Serial number:			
6	Operator name:			
7	MIN:	-1.5554		
8	AVG:	-0.13		
9	MAX:	2.3685		
10		10:51:45.680	-1.5547	mm
11		2:10:51:46.884	-1.5551	mm
12		3:10:51:47.363	-1.5554	mm
13		4:10:51:48.719	1.645	mm
14		5:10:51:49.757	2.3685	mm

Export saved data table values for external files
 Select necessary to save columns on Data for export subsection
csv report can be generated in any Windows PC
xls report can be generated if MS Excel installed on your PC
pdf report can be generated only if supported by MS Excel (the latest versions)

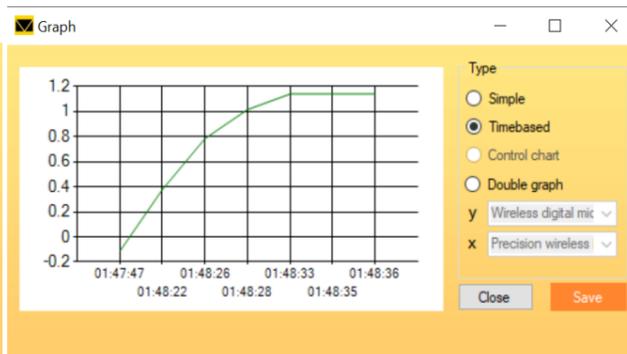


Export saved values to Graph mode
 Graph can be saved to png format

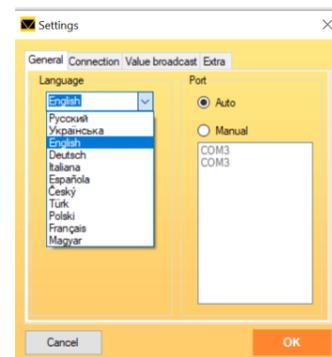
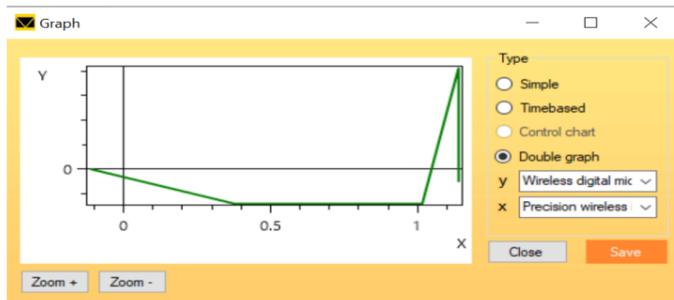
Simple Graph



Simple Graph with Timebased



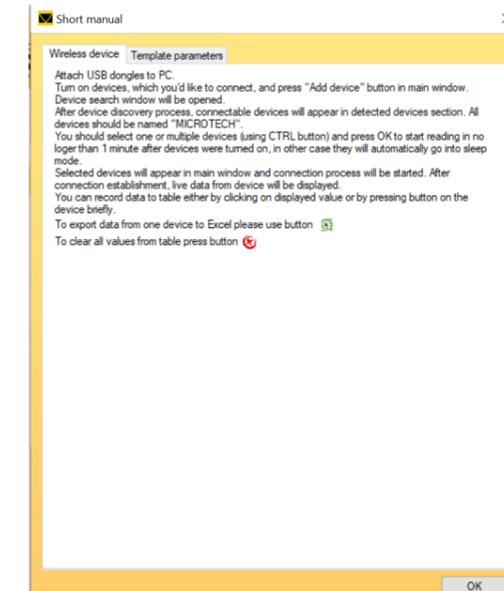
2D Doublegraph for special measuring solutions



Language selection in Setting menu



MDS app versions info



Short guide in Information menu

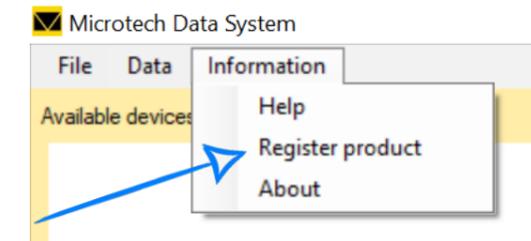
ACTIVATE PRO version

To activate PRO version (must be pre-paid with your local distributor)

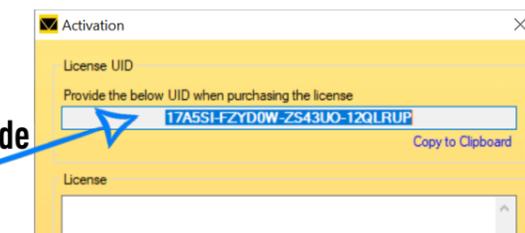
1) Open Register product sub-menu

2) Copy and send activation UID code from application and Serial No from USB-drive to tool@microtech.ua

3) After checking we will send to your e-mail activation license key.
 Add activation key to activation area and press OK.



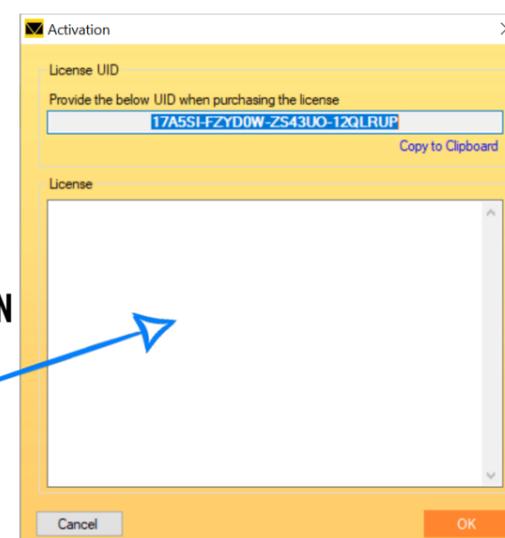
UID code



SERIAL No



ADD ACTIVATION KEY



MICROTECH COMPUTERIZED AND DIGITAL WIRELESS INSTRUMENTS have **WIRELESS HID** and **HID + MAC** data outputs to transfer Data direct to any compatible operation systems and applications in keyboard mode.

WIRELESS HID CONNECTION

NO DONGLE

Windows
iOS
android
LINUX
macOS

TRANSFER DATA TO CAD, SPC OR OTHER SOFTWARE
TRANSFER DATA TO EXCEL OR OTHER TABLE EDITORS
TRANSFER DATA TO ANY BROWSE OR APP

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

HID

WIRELESS HID + MAC
Activating by press on OFF section

HID + MAC

NOTICE:
Always remember to disconnect and remove the device from your Bluetooth settings before changing modes to avoid conflicts and ensure a smooth transition.

CONNECTION

- 1) Switch on HID mode in WIRELESS menu
- 2) Connect MICROTECH device to you PC or Tablet
- 3) Select settings of Data transfer (Dot/Coma, Trail symbol -Tab, Arr Down, CL-LF)
It gives possibility operate in different localizations, table editors
- 4) You can direct transfer data to any Windows or other OS application.

OPERATION

For transfer DATA throw WIRELESS HID you can use some variants:

- Button Push
- Touchscreen Push
- Timer function activation
- Send data from internal memory
- Data transfer in auto-Force mode (Computerized eForce calipers only)

configure
Arr down
Dot

DIGITAL WIRELESS INSTRUMENTS

To switch between wireless modes (WIRELESS, HID, and HID + MAC), press and hold the data transmission button for 5 Seconds.

By default, digital wireless devices start in **WIRELESS mode**, which is indicated by a constantly blinking wireless icon on the display. When you hold the button for 5 Seconds for the first time, WIRELESS mode is activated. Press and hold the button again for 5 Seconds to switch to HID mode. After a third press and hold for 5 Seconds, the device will enter HID + MAC mode. You can easily identify the current mode by searching for Bluetooth devices, where the device name will indicate the mode, either MICROTECH HID or MICROTECH HID + MAC.

NOTICE:
Always remember to disconnect and remove the device from your Bluetooth settings before changing modes to avoid conflicts and ensure a smooth transition.

7s **WIRELESS to MDS**
5s **WIRELESS HID**
5s **WIRELESS HID+MAC**

MODE SWITCH 7s
4s WIRELESS to MDS app
3s WIRELESS ECO to MDS app
2s WIRELESS HID
1s WIRELESS HID+MAC

E-INK INSTRUMENTS

Before starting connection or searching on MDS app hold MENU+DATA button for 2sec and select **HID** mode. HID mode indicating by  icon on a top right corner.

You can easily identify the current mode by searching for Bluetooth devices, where the device name will indicate the mode, either MICROTECH HID or MICROTECH HID + MAC.

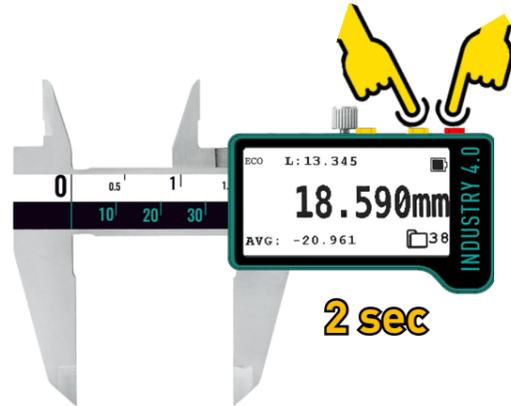
NOTICE: Always remember to disconnect and remove the device from your Bluetooth settings before changing modes to avoid conflicts and ensure a smooth transition.

WIRELESS 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
	
	

WIRELESS HID DATA TRANSFER



USB HID DATA TRANSFER

MICROTECH COMPUTERIZED INSTRUMENTS have **USB HID** data output to transfer Data direct to any compatible operation systems and applications in keyboard mode.



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
	
	

CONNECTION

- 1) Connect micro USB cable from instrument to computer/tablet
USB Cable must be with data transfer wires
- 2) Activate USB connection mode on COMPUTERIZED instrument
DON't activate USB connection without cable connection
- 3) Select settings of Data transfer (Dot/Coma, Trail symbol -Tab, Arr Down, CL-LF)
It gives possibility operate in different localizations, table editors
- 4) You can direct transfer data to any Windows or other OS application.



OPERATION

- For transfer DATA throw USB cable you can use some variants:
- Button Push
 - Touchscreen Push
 - Timer function activation
 - Send data from internal memory
 - Data transfer in auto-Force mode (Computerized eForce calipers only)



CONNECTION STATUS INDICATION

-  WIRELESS CONNECTED
-  WIRELESS HID
-  USB HID CONNECTED

MEASURING HUB

- 2 DEVICE indication on main screen
- FORMULA
- SYNCRONIZATION
- 2D and ON-LINE SYNC GRAPTH
- QUICK autoconnection
- 2 axis MEMORY MANAGER



MEASURING HUB

PROBE MODE

- PROBE MODE-saving data by Probe Touch
- AUTO-PROBE MODE - Touch value compensation
- quick WIRELESS Probe connection



2D MODE

- 2 AXIS measuring
- SYNC reading
- 2D GRAPH
- 2D DATA transfer
- WIDE CONFIGURABLE



- 1) MASTER device: select in WIRELESS menu **2D-M** - Master device on WIRELESS connection on HUB mode
- 2) SLAVE device: select in WIRELESS menu **2D-S** - Slave device on WIRELESS connection on HUB mode
- 3) HUB mode on MASTER device - select requested mode (PROBE, 2D) and Connect SLAVE device

PROBE MODE

A.C.on - Auto Connection active

A.C.off - Auto Connection no active

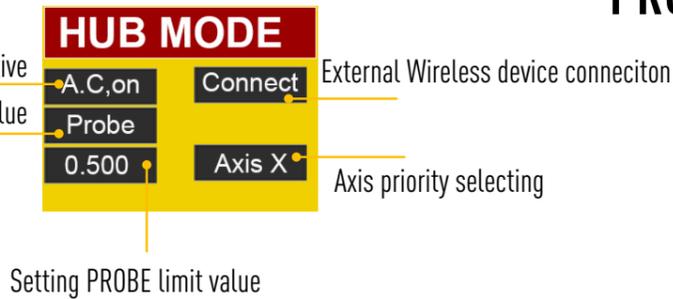
PROBE -Saving data when Probe will reach value

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



A.C.on - Auto Connection active

A.C.off - Auto Connection no active

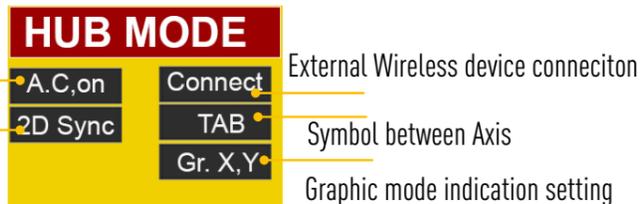
PROBE -Saving data when Probe will reach value

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



2D MODE

FIRMWARE UPDATE

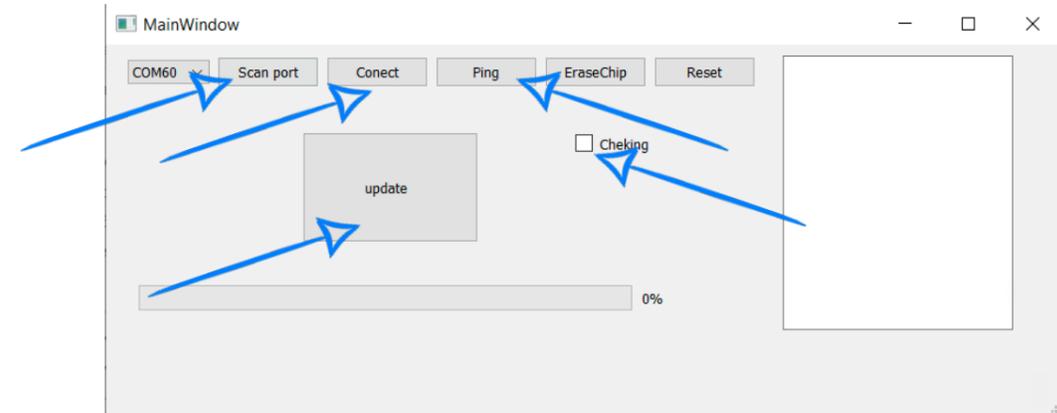
- 1) Connect USB cable to Windows PC (with data transfer possibilities)
- 2) Push 10 times FIRMWARE UPDATE BUTTON to activate process



Push 10 times to FIRMWARE UPDATE



- 3) You will enter to BOOTLOADER section on device
- 4) Run NordBootloader.exe for WINDOWS file (request from MICROTECH)
- 5) Click Scan port -> Connect -> 2times Ping (on your device should display some numbers) -> Cheking -> Update and select *.bin file with lasted firmware that you have been downloaded.



6) After successful flashing will display "Loading finished" on device screen.

Now you can plug off Micro USB



7) After that, you need to reset the device to factory settings.

Tap «RESET TO FACTORY» 10 times.

The firmware update is complete



Push 10 times to RESET device to factory settings

HOW TO SOLVE BLINKING SCREEN



Following these steps should resolve any blinking screen issues and ensure that your MICROTECH device works properly. Always remember to disconnect and remove the device from your Bluetooth settings before changing modes to avoid conflicts and ensure a smooth transition.

Following these steps should resolve any blinking screen issues and ensure that your MICROTECH device works properly. Always remember to disconnect and remove the device from your Bluetooth settings before changing modes to avoid conflicts and ensure a smooth transition.

If your MICROTECH measuring device's screen starts blinking, it's likely because the Wireless modes were not switched correctly. This problem usually happens when the device is still remembered in an old mode by your computer or mobile device. To fix this, you need to remove the device from the Bluetooth settings before changing the mode.

Step-by-Step Solution

Make sure to disconnect and remove the MICROTECH device from your computer or mobile device's Bluetooth settings. Here's how to do it:

On a PC: Go to your Bluetooth settings, find the MICROTECH device, and select «Remove» or «Forget».

On an Android Phone: Open Settings, go to Bluetooth, find the MICROTECH device, and tap «Forget» or «Remove».

On an iPhone: Open Settings, go to Bluetooth, find the MICROTECH device, tap the info icon (i), and select «Forget This Device».



MICROTECH

innovative measuring instruments

61001, Kharkiv, Ukraine, str. Rustaveli, 39

tel.: +38 (050) 323-65-30

www.microtech.ua

tool@microtech.ua

FIND YOUR DISTRIBUTOR

