



MetroX FOR WINDOWS

PROFESSIONAL MULTI-BRAND METROLOGY DATA
ACQUISITION & INTEGRATION SOFTWARE

- Professional Multi-Brand Metrology Data Acquisition & Integration Software
- MetroX is a modular Windows platform for connecting, collecting, synchronizing, processing and exporting measurement data from MICROTECH and compatible third-party measuring instruments.
- Connect MICROTECH DataMet and SwissMet instruments, SYLVAC Bluetooth and Proximity devices, USB/Bluetooth HID instruments and MODBUS RTU devices within one measurement environment.
- From simple single-gauge applications to industrial measuring stations with up to 400 simultaneously connected instruments, depending on the MetroX version and connection type.
- Automatic device detection & connection management
- Automatic connection and reconnection, real-time connection status monitoring, configurable connection modes and remote instrument control.
- Synchronized measurement acquisition
- Acquire measurements individually, sequentially or simultaneously. Use synchronized timers, external buttons, footswitches or PLC signals to trigger data collection.
- GO/NO-GO evaluation, peak measurement, ZERO control, basic and extended formulas and configurable measurement sequences.
- Record measurement values together with instrument information, part serial numbers, barcode data, operator information and calibration status.
- Built-in statistical functions with an optional Extended SPC module for process monitoring and quality analysis.
- Export measurement data and reports to CSV and PDF, or forward values in real time to Excel and other Windows applications. Configurable output formatting includes decimal separators, delimiters, symbols and data structure.
- Optional MODBUS RTU, PLC and Digital I/O connectivity enables measurement stations to communicate directly with production equipment and automation systems.
- Control plans & operator guidance
- Create structured inspection workflows using part drawings and images to guide operators through the measurement process.
- Point-cloud acquisition, USB camera integration, motorized measurement control and API connectivity are available depending on the MetroX version.
- No external dongle required for basic wireless operation
- Up to 4 compatible wireless devices can be connected using the PC's integrated wireless/Bluetooth interface without an additional USB dongle.
- Optional wireless and USB buttons and footswitches can be assigned to functions such as Data Capture, ZERO and other measurement commands.

Type	MetroX app				
	FREE	CORE	MULTI	EXPERT	FACTORY
System	WINDOWS 10, 11				
MAX simultaneous instruments (total)	2	8	20	60	400
Modbus instruments connection*	2	up to 8	up to 20	up to 60	up to 247
MICROTECH DataMet/SwissMet WIRELESS connection**	2	up to 8	up to 20	up to 40	up to 100
SwissMet / SYLVAC Proximity cable connection	2	up to 8	up to 20	up to 40	up to 100
SYLVAC Bluetooth device connection**	2	up to 8	up to 20	up to 40	up to 100
WIRELESS HID instruments connection**	2	up to 8	up to 20	up to 20	up to 60
USB HID instruments connection	2	up to 8	up to 20	up to 20	up to 60
WIRELESS & USB footswitch and buttons connect	•	•	•	•	•
PLC integration via Modbus RTU*	-	-	•	•	•
Industrial Digital I/O control***	-	-	•	•	•
Functions (Go/NoGo, Peaks)	•	•	•	•	•
Basic Formula mode	•	•	•	•	•
Extended Formula mode	-	-	•	•	•
ZERO setting	•	•	•	•	•
SYNCHRONIZATION	•	•	•	•	•
Timer for each device +synchronized	•	•	•	•	•
Connection status /Instruments remote controlling	•	•	•	•	•
Parts serial no's/barcodes scanning	-	-	•	•	•
Graphics	-	•	•	•	•
Calibration status control	-	-	-	•	•
Pdf, csv data export	•	•	•	•	•
Data re-export to external app's (adjusting)	•	•	•	•	•
API	-	-	-	-	•
Control plans with part draw/photo guidance	-	-	-	•	•
Statistics	•	•	•	•	•
Extended SPC module	-	-	-	•	•
Point cloud collecting and export	-	-	-	•	•
USB cameras connection	-	-	option	option	option
Motorization	-	-	option	option	option
Languages	Multilanguage				
Delivery pack	download	box package with USB-flash and key			
Metrox app Price, EUR	FREE	199	399	699	1490

* OPTIONAL Modbus receiver requested for Modbus connection or PLC integration

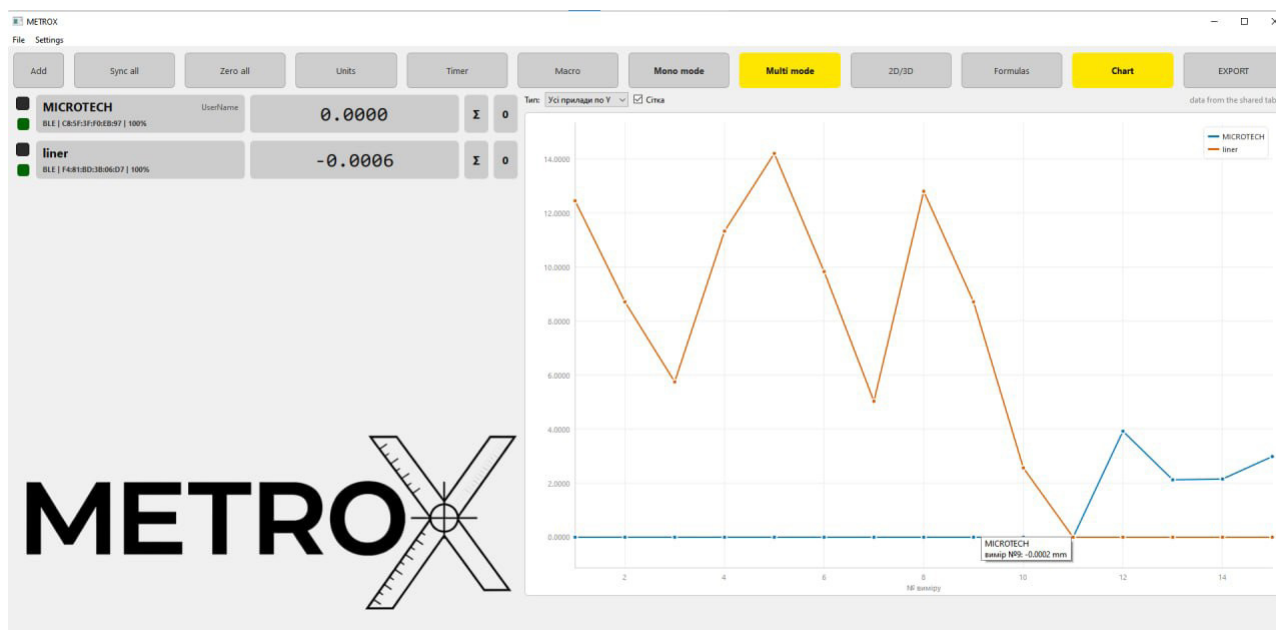
** OPTIONAL USB-Dongle requested for WIRELESS connection (Up to 4 wireless devices can be connected via the PC's built-in WIRELESS module)

*** OPTIONAL Digital I/O module requested

PROFESSIONAL INTERFACE

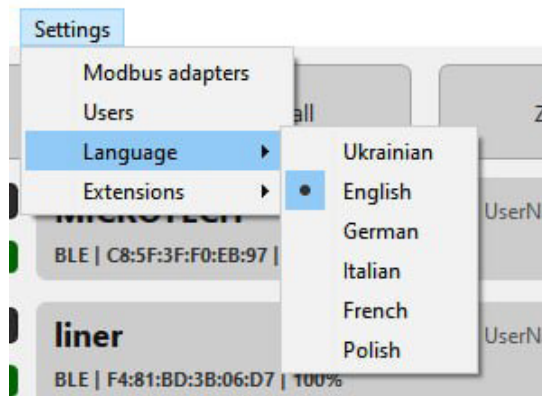


GRAPHICAL MODE

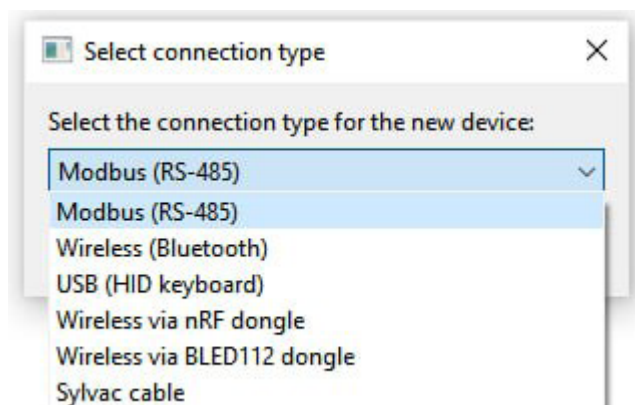


MULTILANGUAGE

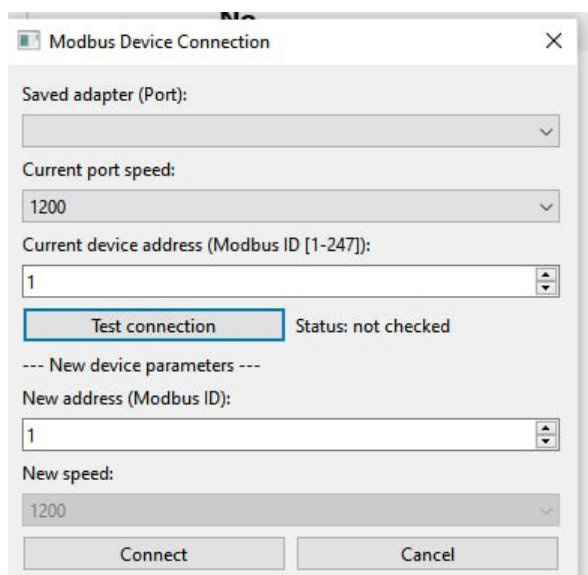
METROX



MULTICONNECTION



MODBUS CONNECTION ADOPTED



Modbus Device Connection

Saved adapter (Port):

Current port speed: 1200

Current device address (Modbus ID [1-247]): 1

Test connection Status: not checked

--- New device parameters ---

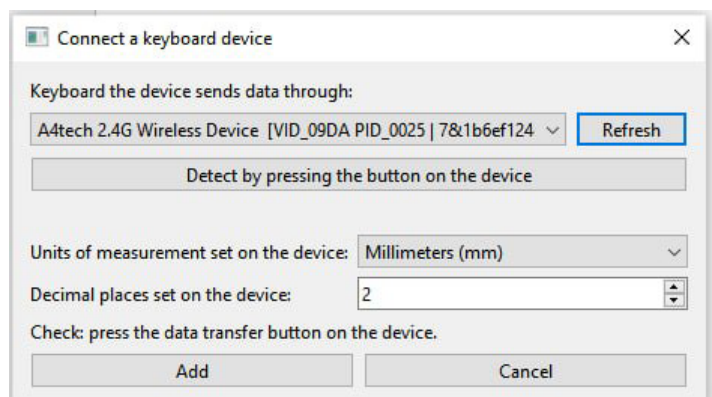
New address (Modbus ID): 1

New speed: 1200

Connect Cancel

FUNCTIONS

WIRELESS & USB HID device connect



Connect a keyboard device

Keyboard the device sends data through: A4tech 2.4G Wireless Device [VID_09DA PID_0025 | 78&1b6ef124] Refresh

Detect by pressing the button on the device

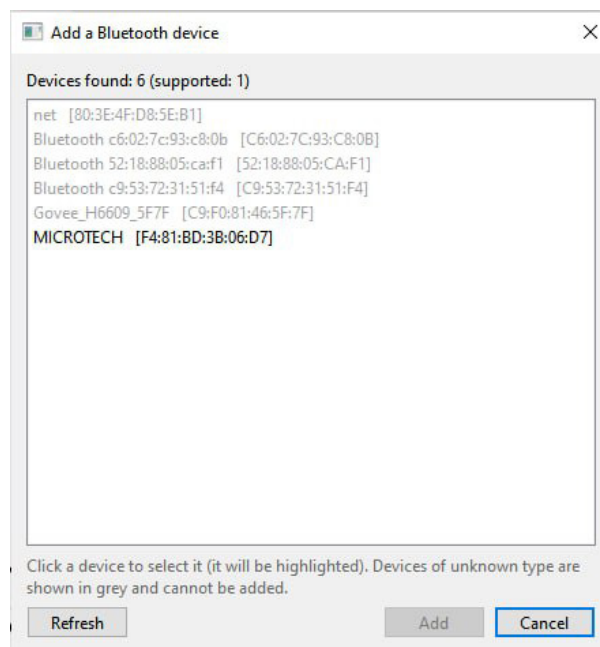
Units of measurement set on the device: Millimeters (mm)

Decimal places set on the device: 2

Check: press the data transfer button on the device.

Add Cancel

MICROTECH WIRELESS & SYLVAC BT device connection



Add a Bluetooth device

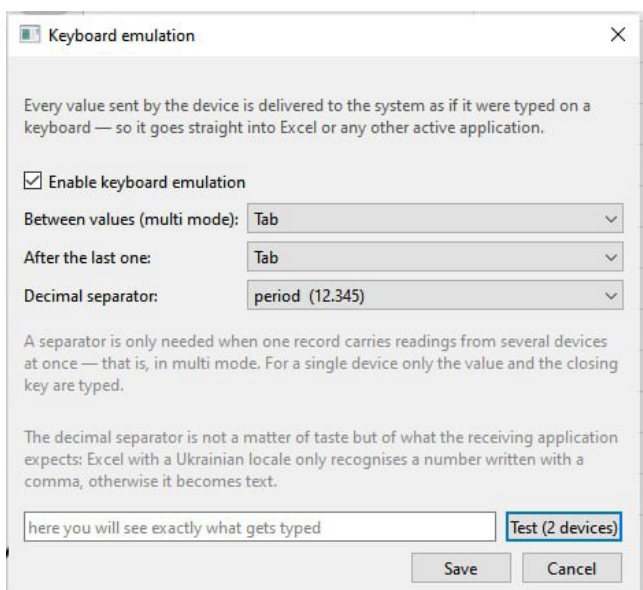
Devices found: 6 (supported: 1)

```
net [80:3E:4F:D8:5E:B1]
Bluetooth c6:02:7c:93:c8:0b [C6:02:7C:93:C8:0B]
Bluetooth 52:18:88:05:ca:f1 [52:18:88:05:CA:F1]
Bluetooth c9:53:72:31:51:f4 [C9:53:72:31:51:F4]
Govee_H6609_5F7F [C9:F0:81:46:5F:7F]
MICROTECH [F4:81:BD:3B:06:D7]
```

Click a device to select it (it will be highlighted). Devices of unknown type are shown in grey and cannot be added.

Refresh Add Cancel

DATA Re-export with format adjusting



Keyboard emulation

Every value sent by the device is delivered to the system as if it were typed on a keyboard — so it goes straight into Excel or any other active application.

☒ Enable keyboard emulation

Between values (multi mode): Tab

After the last one: Tab

Decimal separator: period (12.345)

A separator is only needed when one record carries readings from several devices at once — that is, in multi mode. For a single device only the value and the closing key are typed.

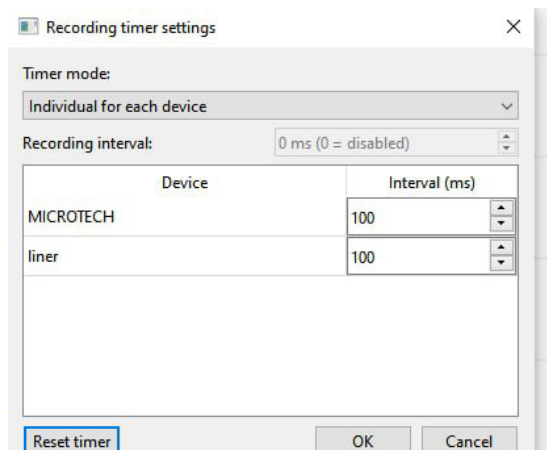
The decimal separator is not a matter of taste but of what the receiving application expects: Excel with a Ukrainian locale only recognises a number written with a comma, otherwise it becomes text.

here you will see exactly what gets typed Test (2 devices)

Save Cancel

USER MANAGEMENT

TIMER WITH SYNC



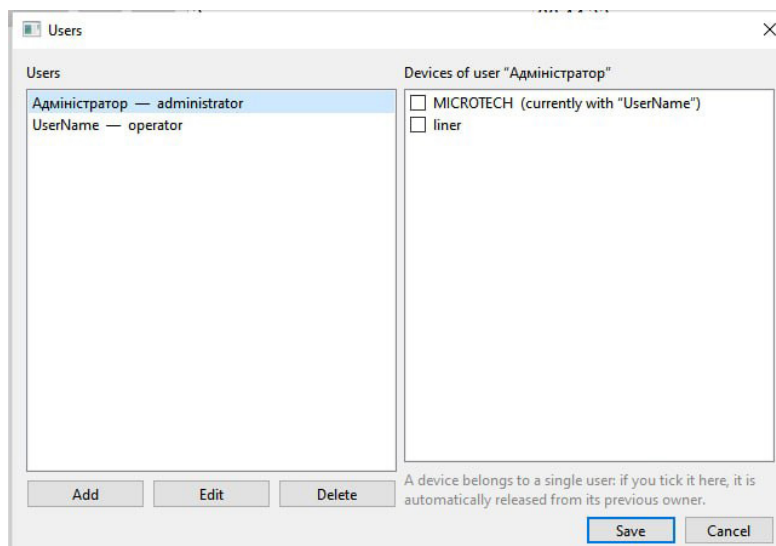
Recording timer settings

Timer mode: Individual for each device

Recording interval: 0 ms (0 = disabled)

Device	Interval (ms)
MICROTECH	100
liner	100

Reset timer OK Cancel



Users

Users
Адміністратор — administrator
UserName — operator

Devices of user "Адміністратор"

☐ MICROTECH (currently with "UserName")

☐ liner

A device belongs to a single user: if you tick it here, it is automatically released from its previous owner.

Add Edit Delete Save Cancel

MODBUS RECEIVERS



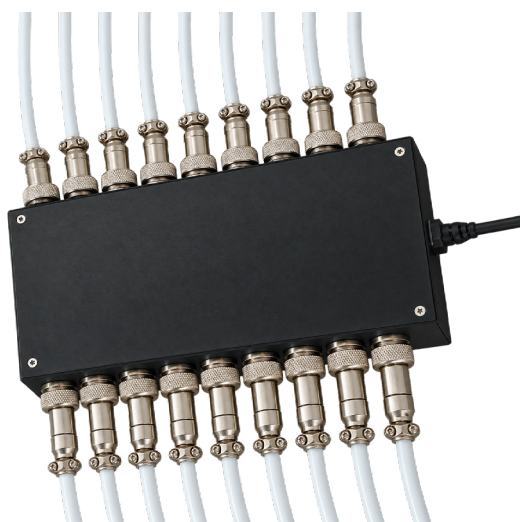
141077081



141077082



up to **1200 m** data transfer
up to **247** devices connect

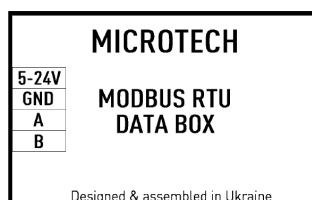


141077083

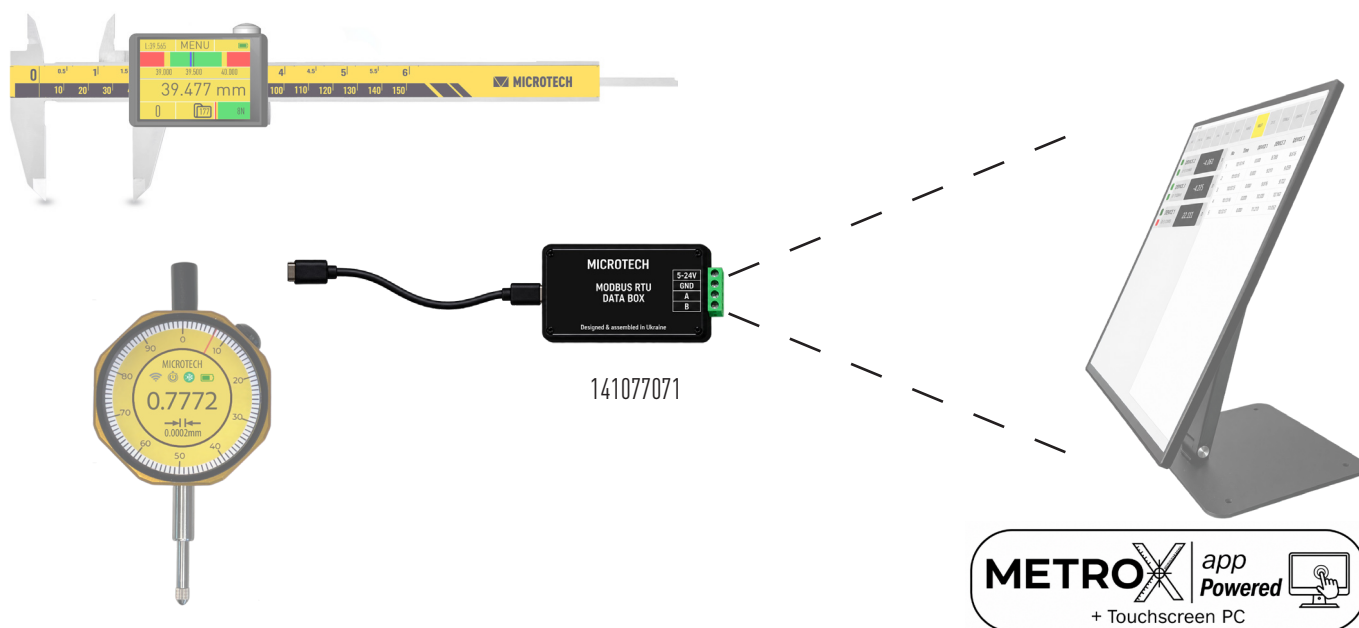
Item No	Type	Devices	Distance, m	Power supply	Connection to PC	Price, EUR
141077081	Modbus receiver	2	8	USB	USB-C	99
141077082	Modbus receiver CORE	max 8	15	USB		249
141077083	Modbus receiver EXPERT	max 20	1024	External		499

GENERAL INFORMATION

- **Protocol:** Modbus RTU
- **Baud rate:** 9600 bps (configurable)
- **Data bits:** 8
- **Stop bits:** 1
- **Parity:** None



MODBUS DATABOX



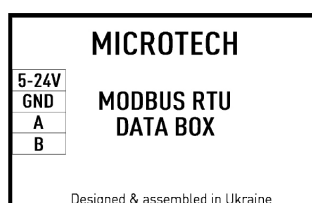
Item No	Type	Devices	Price, EUR
141077071	Modbus RTU data box	DATA Met MICROTECH instruments (USB-C)	180
141077072	Modbus ASCII data box		299
141077073	Modbus TCP/IP data box		450



WORKING CONDITIONS	
Working temperature °C	5-40°
Humidity	70%
Water protection	IP40
Dimensions, mm	53x82x31
Weight, kg	0,15

GENERAL INFORMATION

- **Protocol:** Modbus RTU
- **Baud rate:** 9600 bps (configurable)
- **Data bits:** 8
- **Stop bits:** 1
- **Parity:** None





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