INSTRUMENT MANAGER

Instrument Manager

Technical Webinar

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Parma, December 5th 2019

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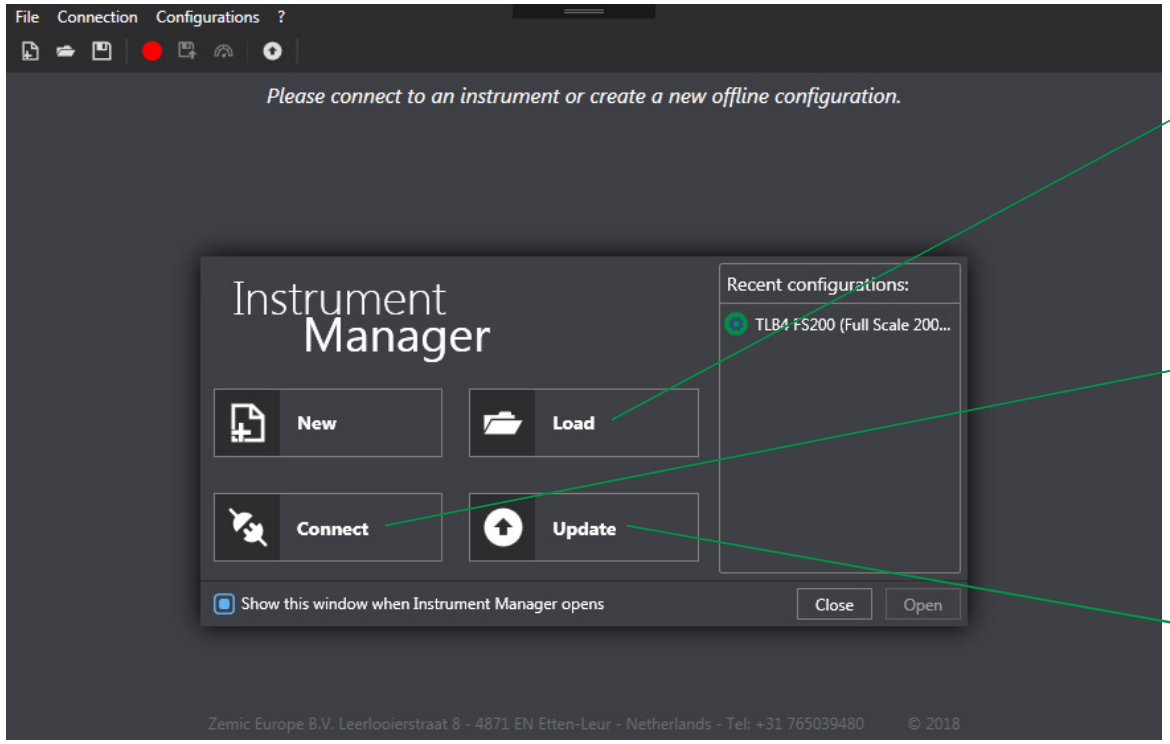
SYSTEM REQUIREMENTS

HW REQUIREMENTS:

- availability of a physical serial port
- Use of a USB to RS485 or USB to RS232 converter

MAIN FEATURES



Configurations

Live Monitoring

Firmware Update

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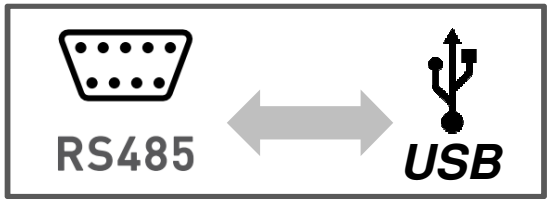
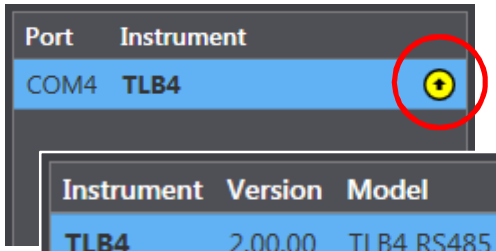
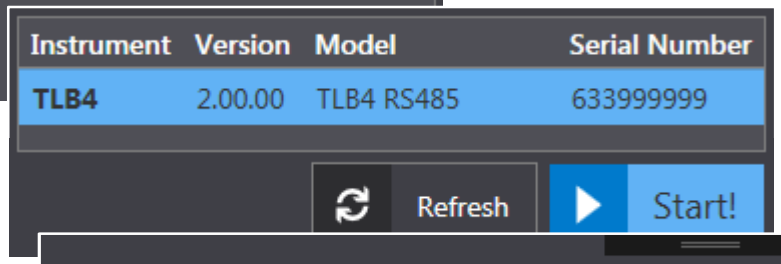
FIRMWARE UPDATE

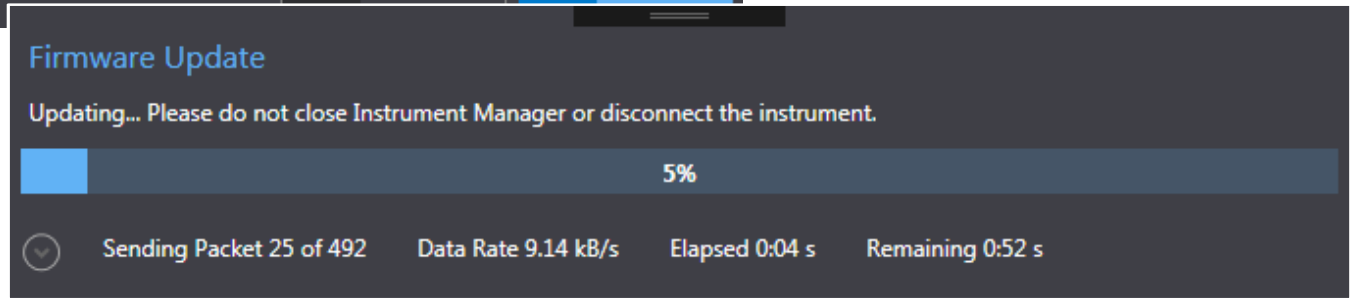




Automatic new firmware detection



Manual firmware update



The guided procedure helps the user going through the firmware update.
The only required action is to restart the instrument in boot mode.

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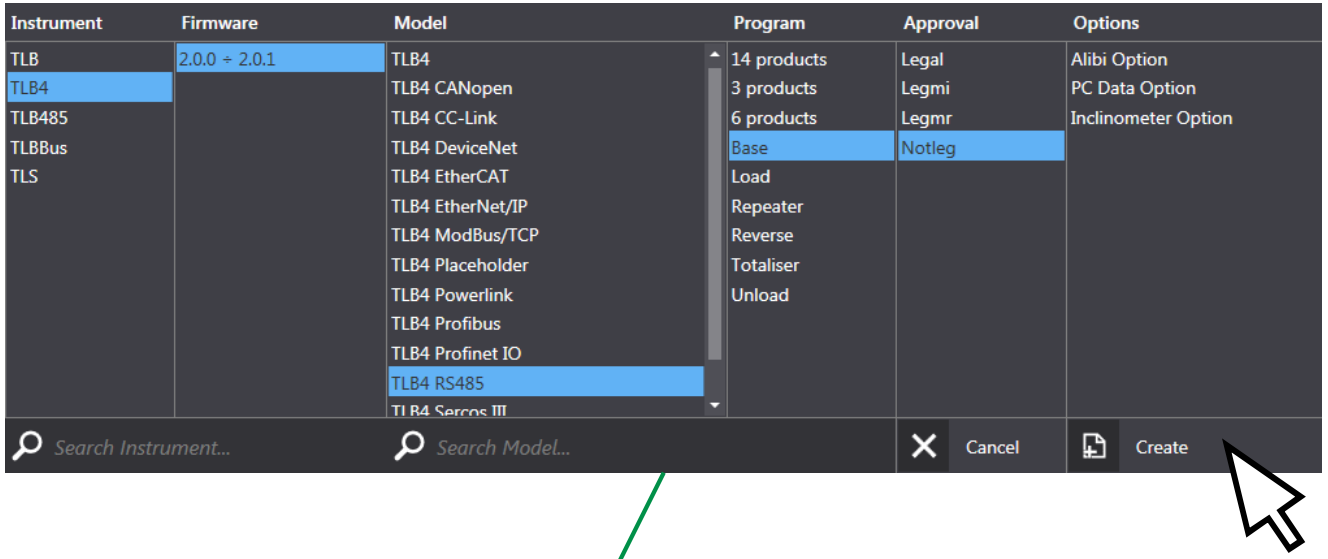
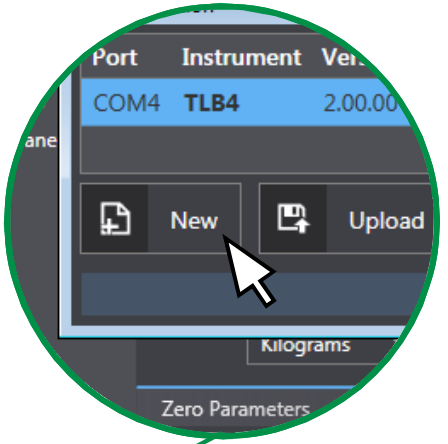
CONFIGURATION: CREATE A NEW ONE





Create a configuration without connecting any instrument

Automatically select every value from a connected instrument

It will be possible to upload a configuration only to an instrument with the same parameters.

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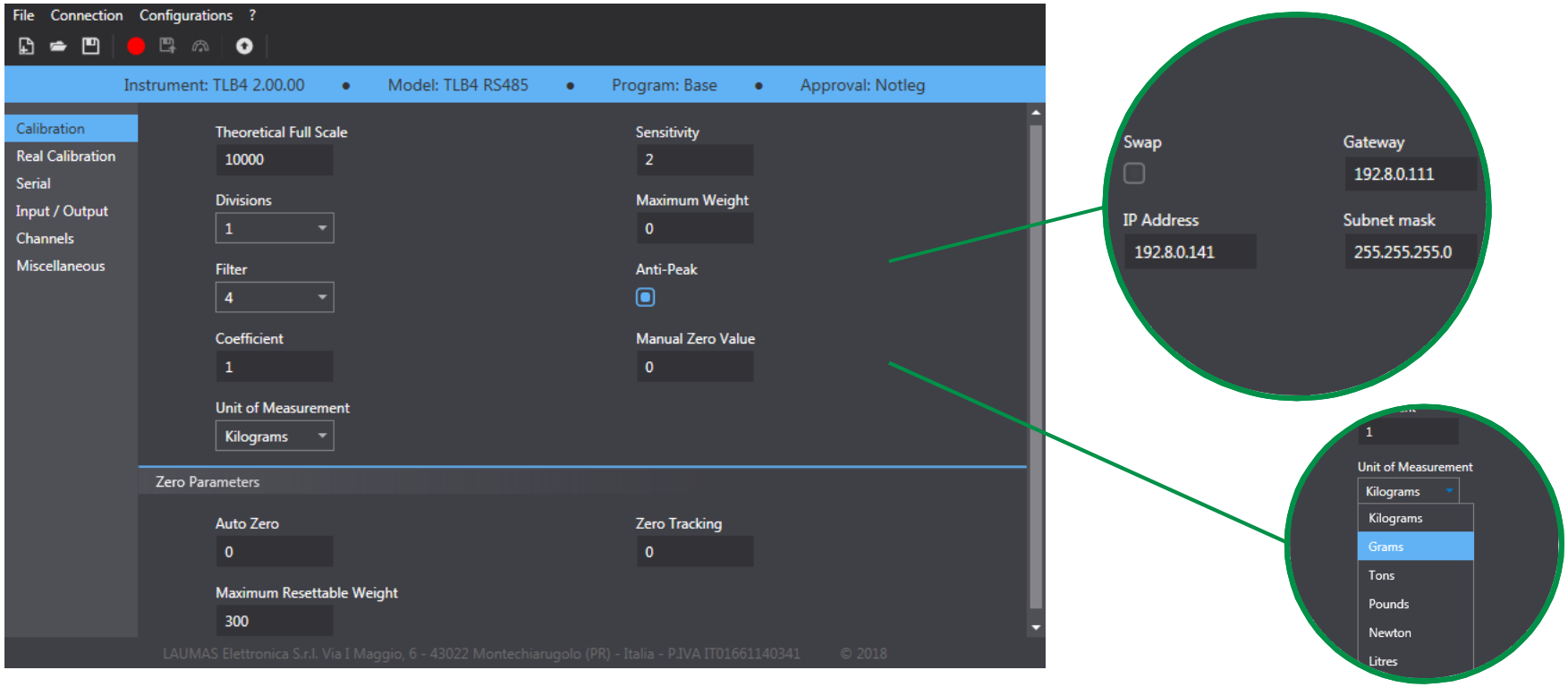
CONFIGURATION: EDITING

Work **without** connected instruments.
Easily edit every parameter via Instrument Manager.



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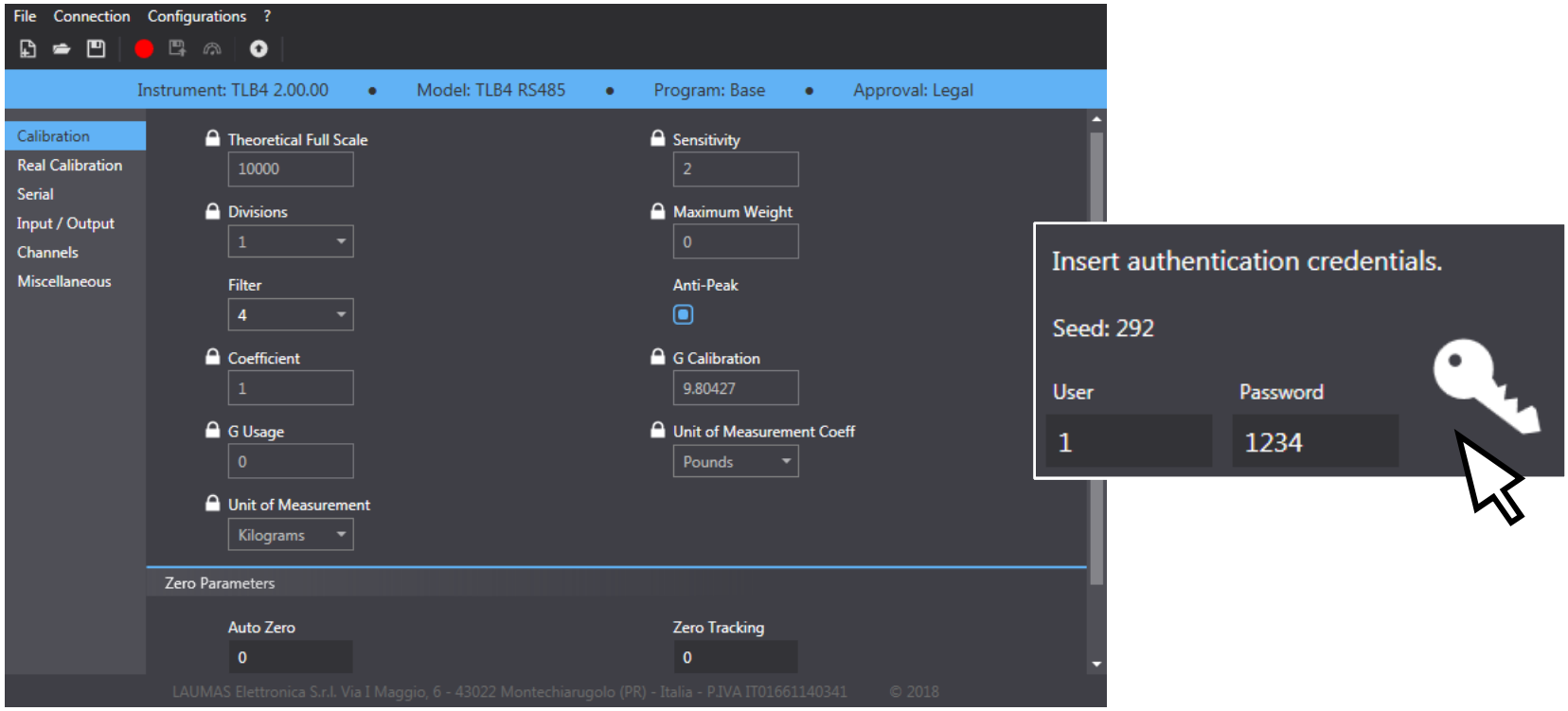
CONFIGURATION: LEGAL FOR TRADE INSTRUMENTS

For legal instrument, some parameters will be locked.
To edit and store those parameters, an authentication is needed



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CONFIGURATION: UPLOAD/DOWNLOAD

Upload to the instrument

Download to the computer

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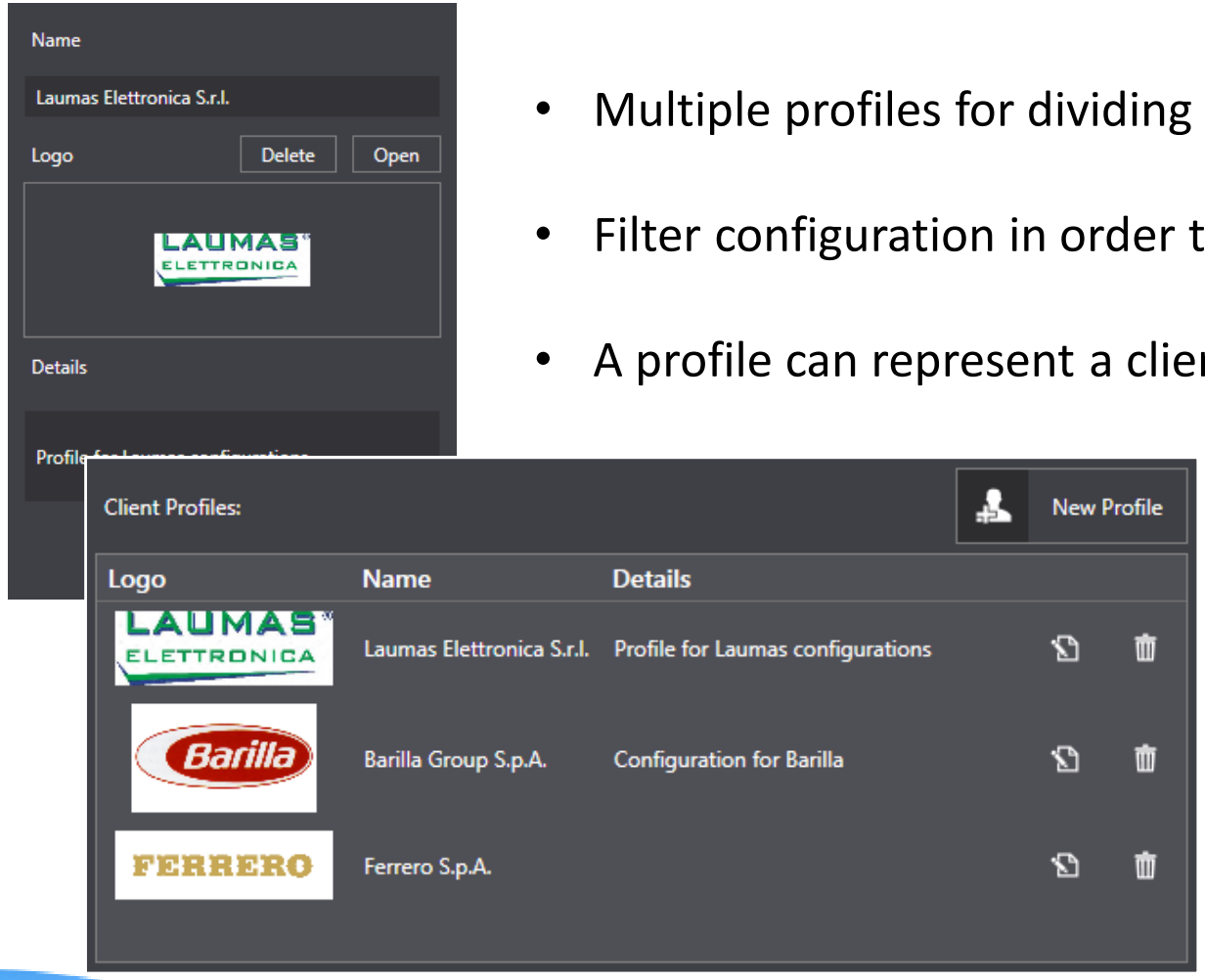
CONFIGURATION: STORING



- Multiple profiles for dividing up personal configurations
- Filter configuration in order to find everything quickly
- A profile can represent a client or simply a logical folder

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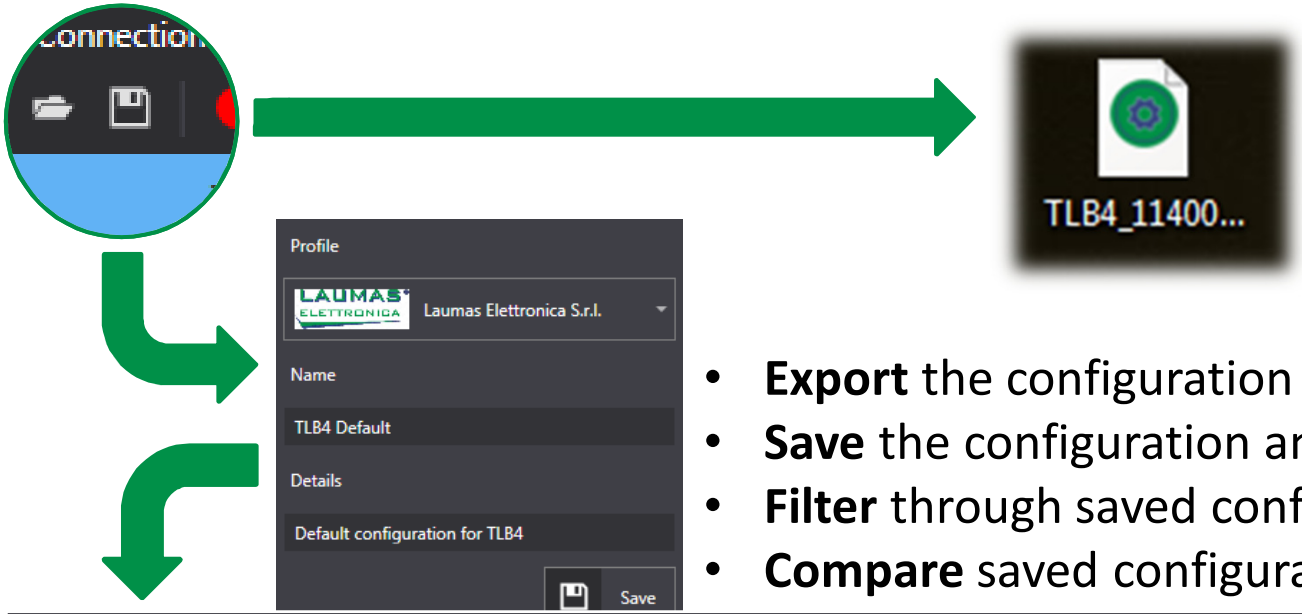
CONFIGURATION: FURTHER FUNCTIONS



- **Export** the configuration to file
- **Save** the configuration and link it to a Profile
- **Filter** through saved configuration
- **Compare** saved configurations

Profile	Name	Instrument	Model	Version	Details	Date	Last Edit
						From / To	From / To
Barilla Group S.p.A.	TLB4 FS20	TLB4	TLB4 RS485	2.00.00	TLB4 Full Scale = 20Kg, Max = 18Kg	2/13/2019 3:06:04 PM	2/13/2019 3:06:04 PM
Laumas Elettronica S.r.l.	TLB4 Default	TLB4	TLB4 RS485	2.00.00	Default configuration for TLB4	2/13/2019 10:34:41 AM	2/13/2019 10:34:41 AM

Clear Filters

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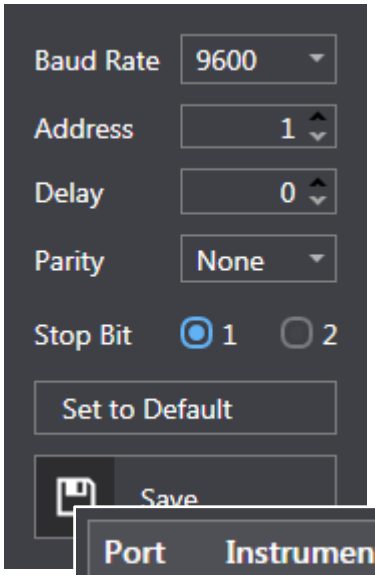
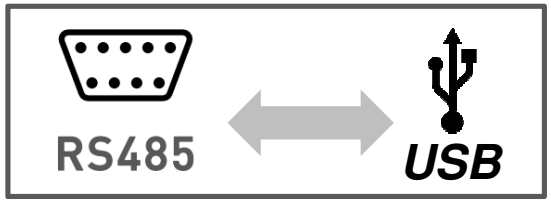
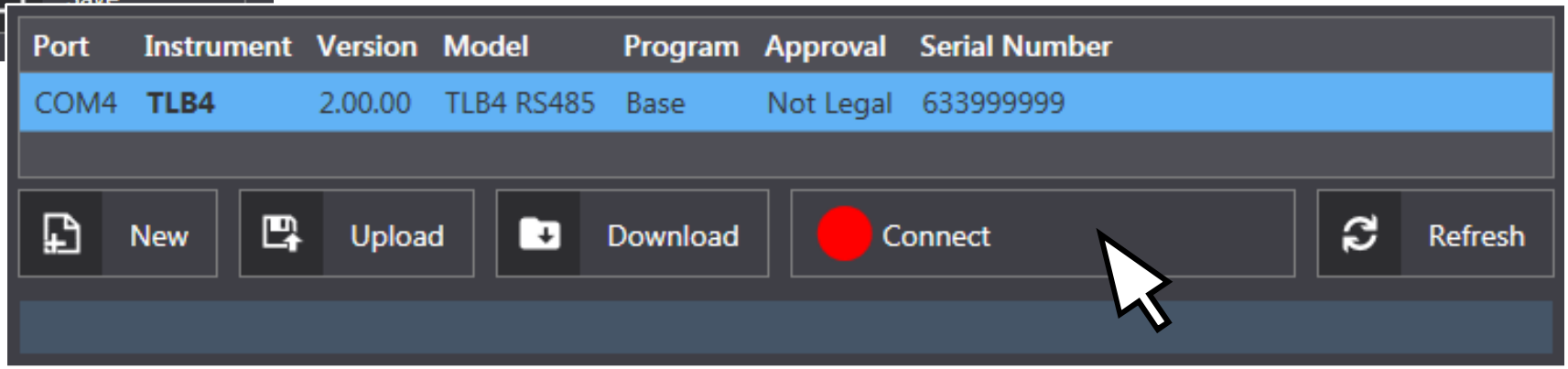
CONNECTION





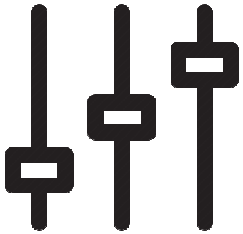
- **Upload** the created configuration to the instrument,
- **Download** the instrument configuration to the PC to edit/save/export it.
- **Connect** to the instrument and start a real-time communication.



REALTIME

DASHBOARD

REAL CALIBRATION



EQUALIZATION

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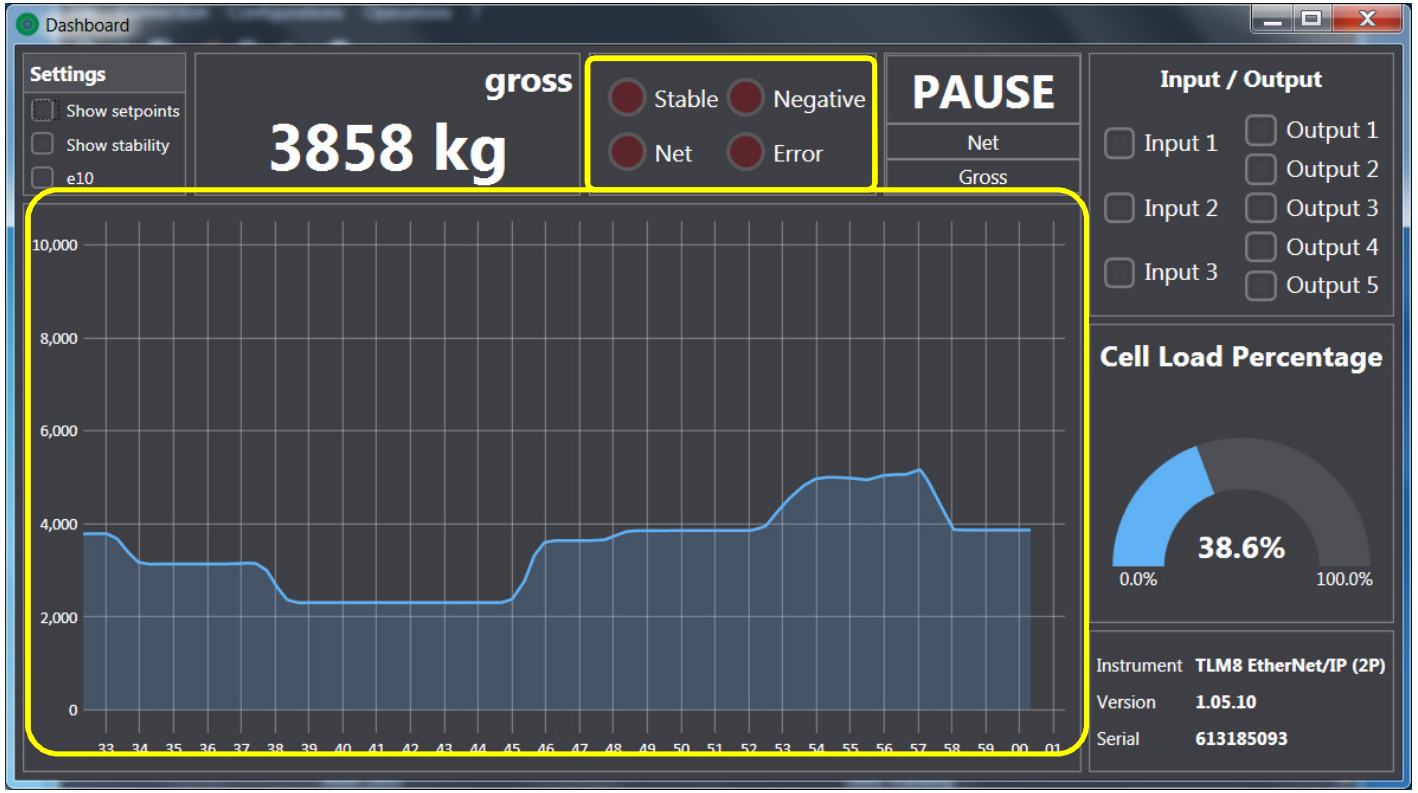
REALTIME – DASHBOARD



- Chart showing **weight trend** over a 30 seconds period
- **Indicators** showing when the weight is stable, negative, net or in error.

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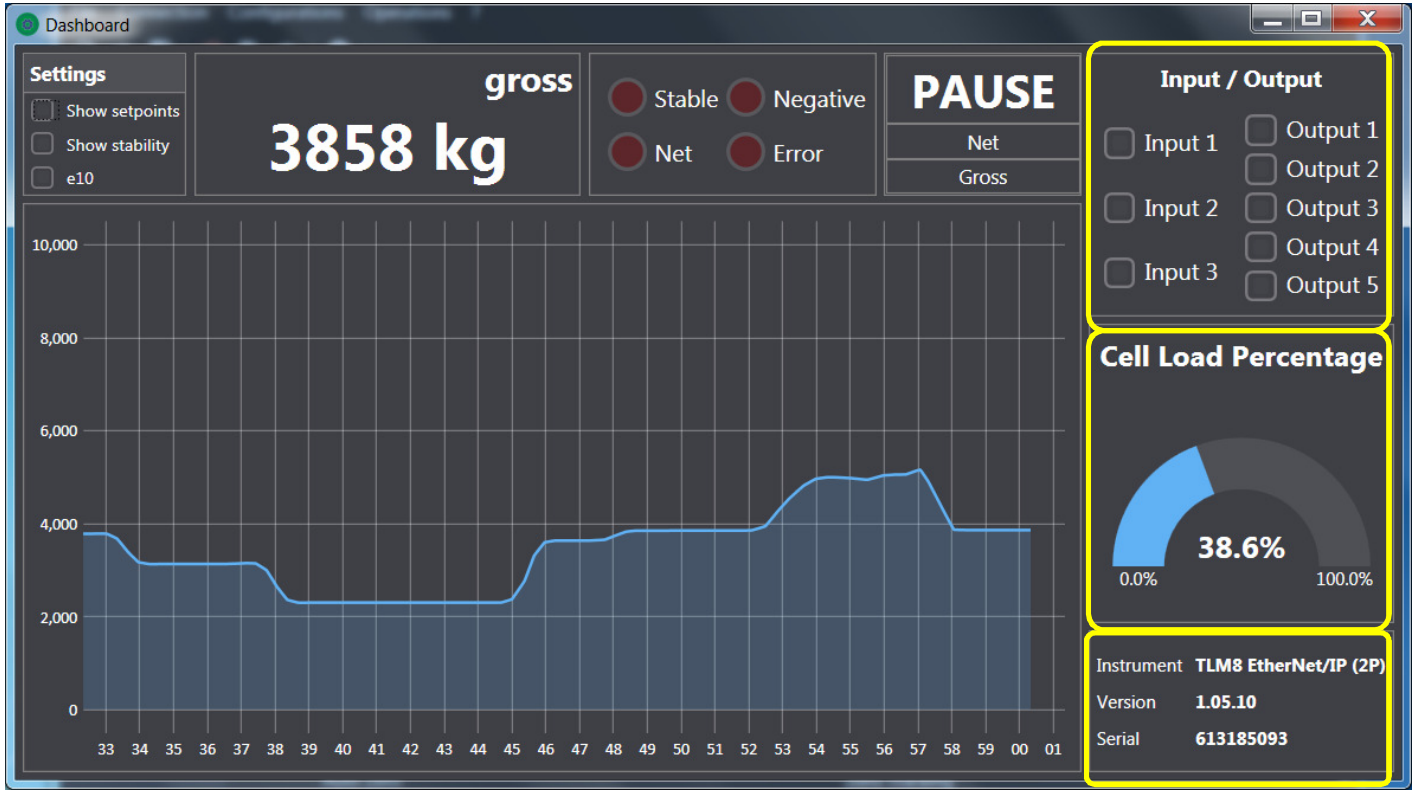
REALTIME – DASHBOARD



- Current state of **inputs** and **outputs**
- **Load percentage**, referred to the sensitivity of the load cells
- Instrument **info**

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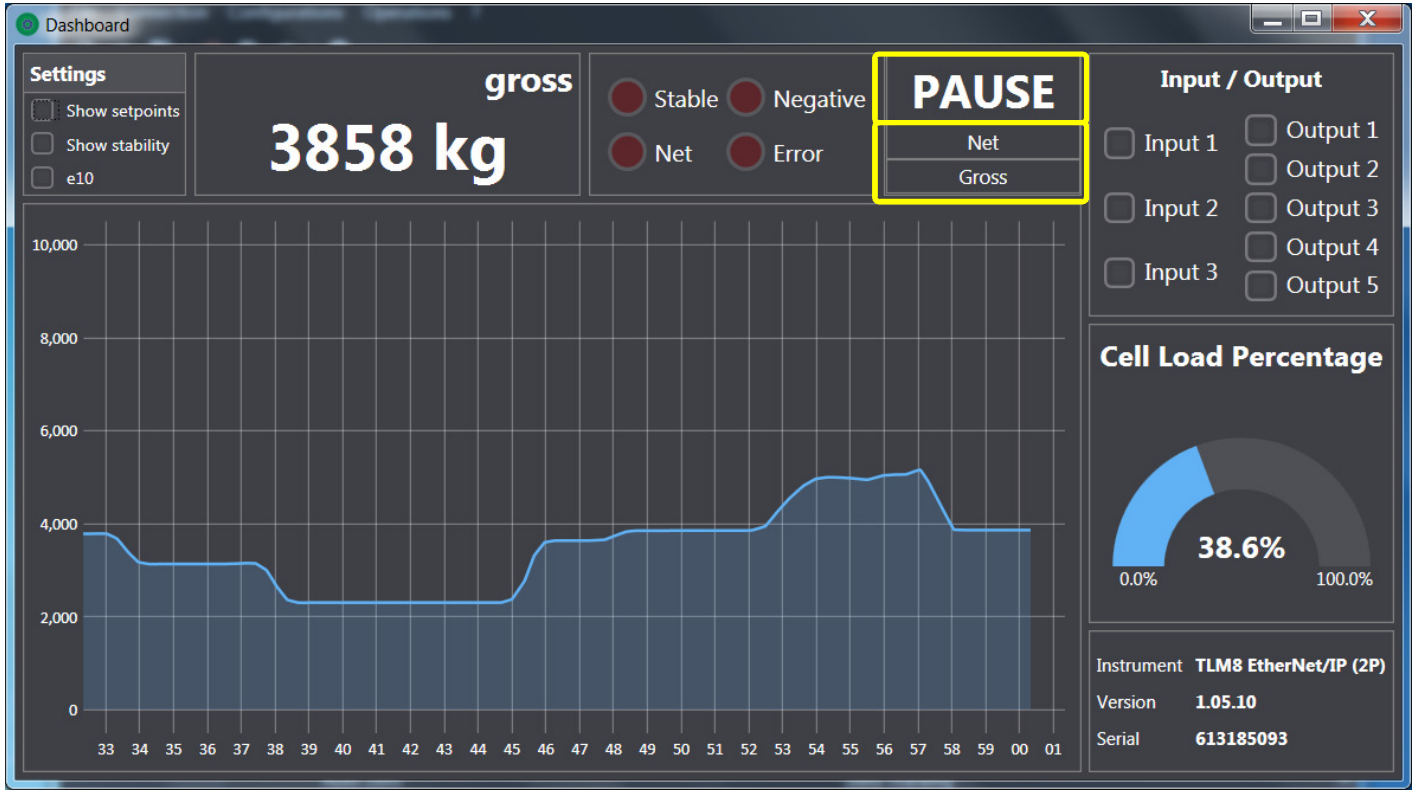
REALTIME – DASHBOARD



Quick actions:

- **Pause** the chart for better analysis
- Perform a **tare** operation or switch back to the **gross** weight.

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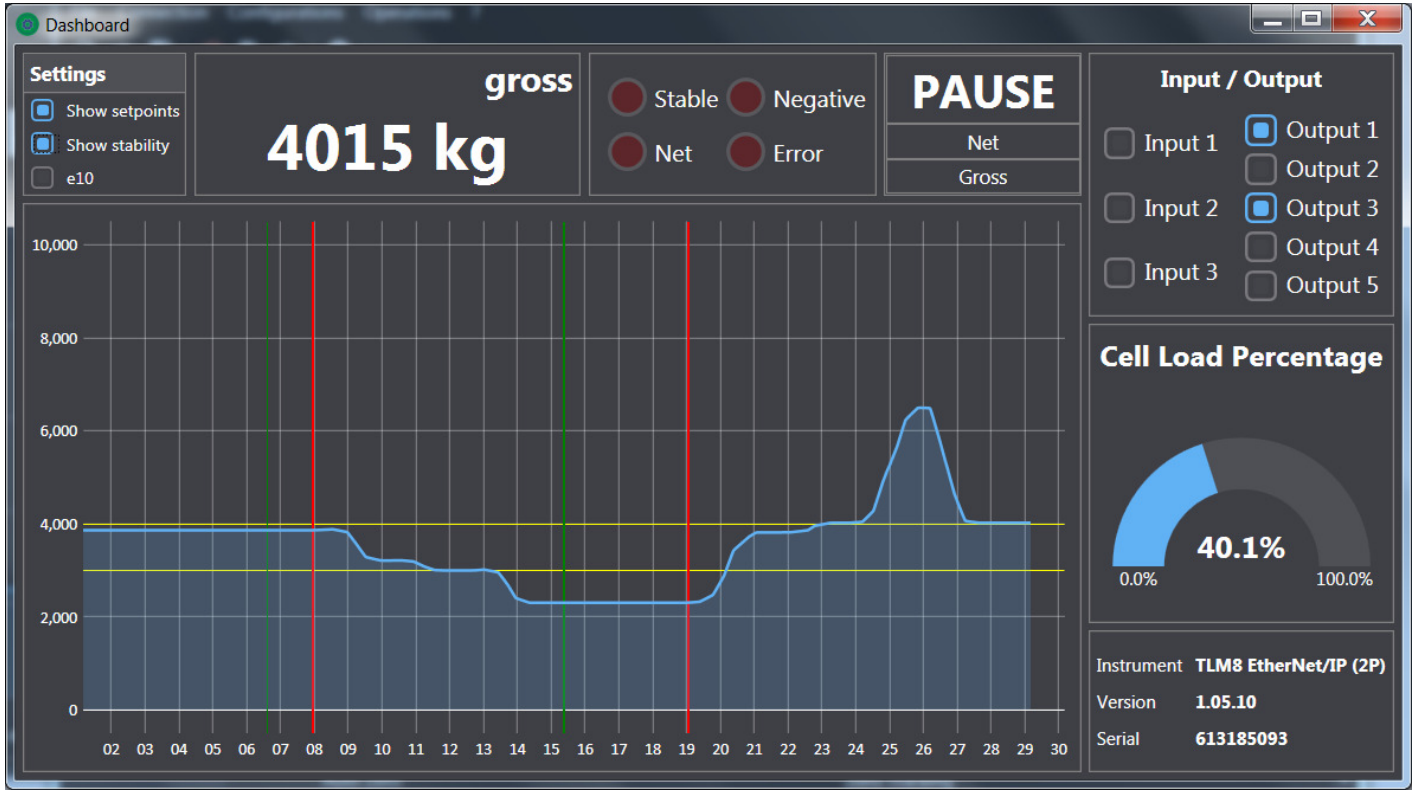
REALTIME – DASHBOARD



- The horizontal lines show the **setpoints** location.
- Vertical lines show when the weight **gains** or **loses** **stability**.

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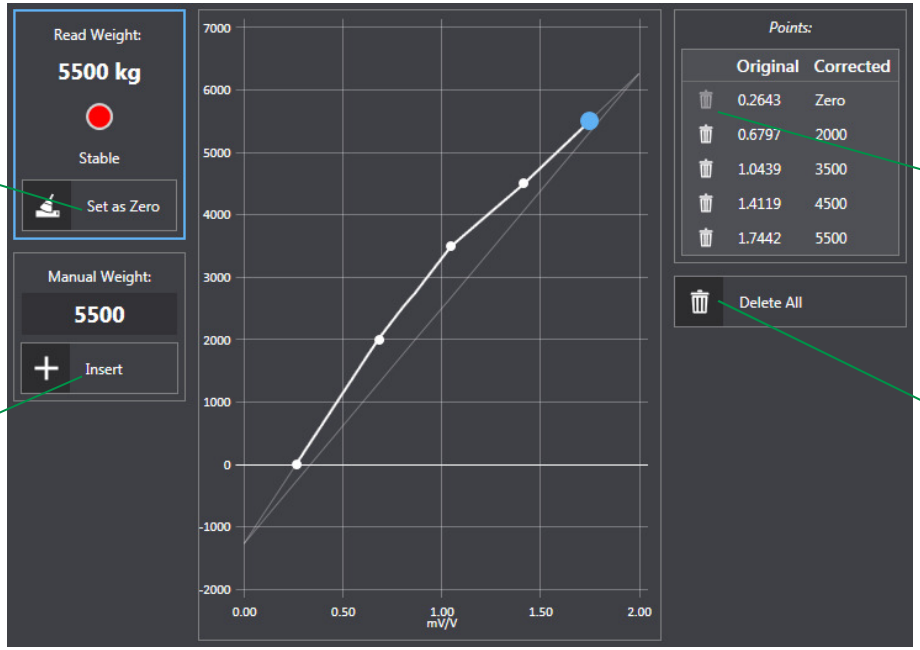
REALTIME – REAL CALIBRATION

Calibration Zero

Insert up to 8 calibration points

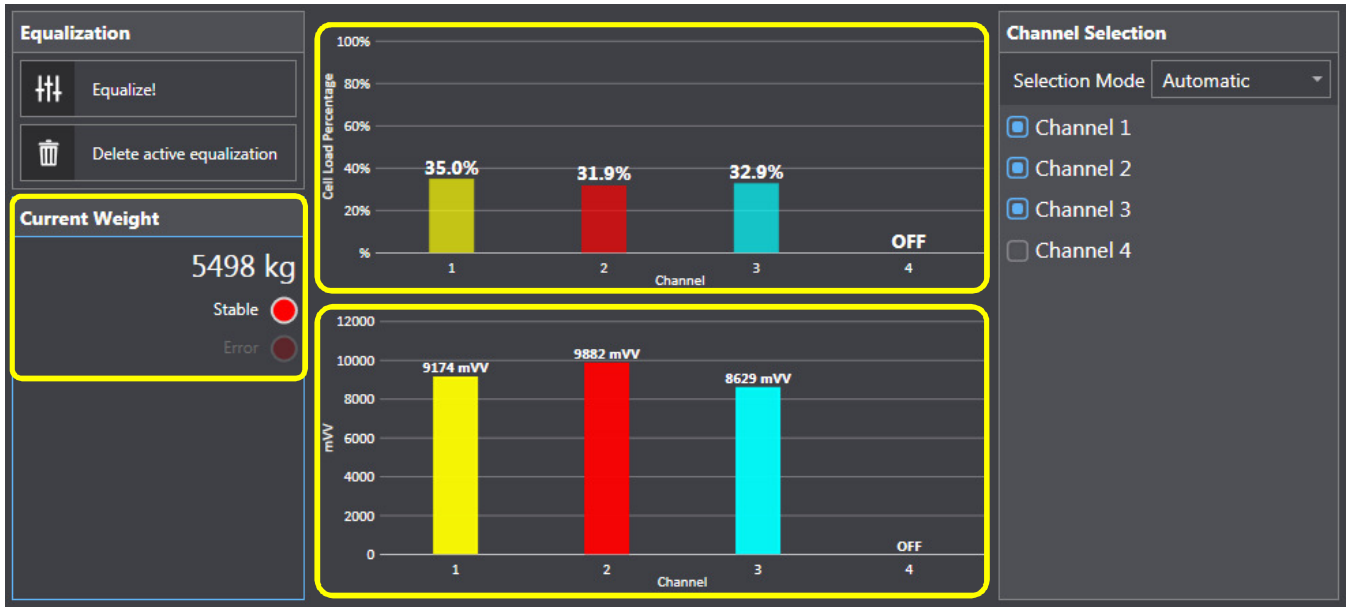


Delete accidental points

Delete whole calibration

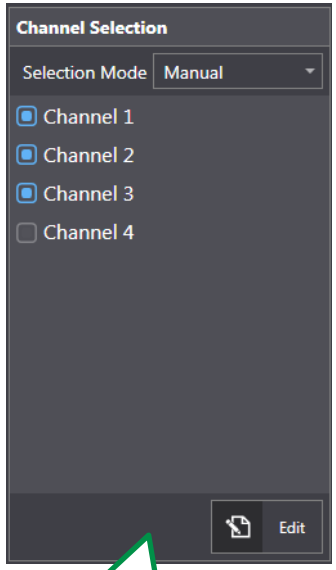
The chart shows in real time how the real calibration affects the weight

REALTIME – MULTICHANNEL

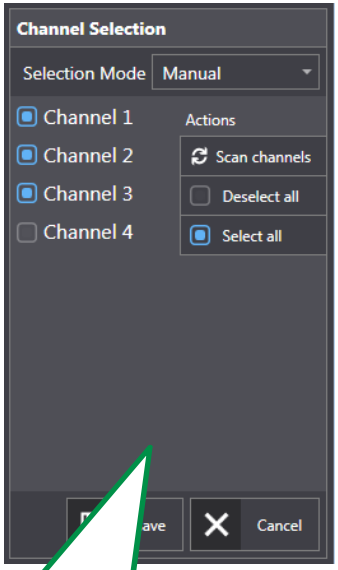


- Chart showing the current **weight distribution** over the active channels.
- Chart showing the current **mV** received from the load cells.
- Total **weight** read from the instrument.

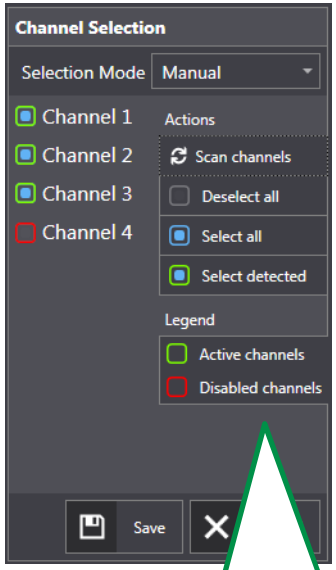
REALTIME – MULTICHANNEL – Channel Selection



Save current selection and fix it



Edit selected channels manually



Verify currently working channels

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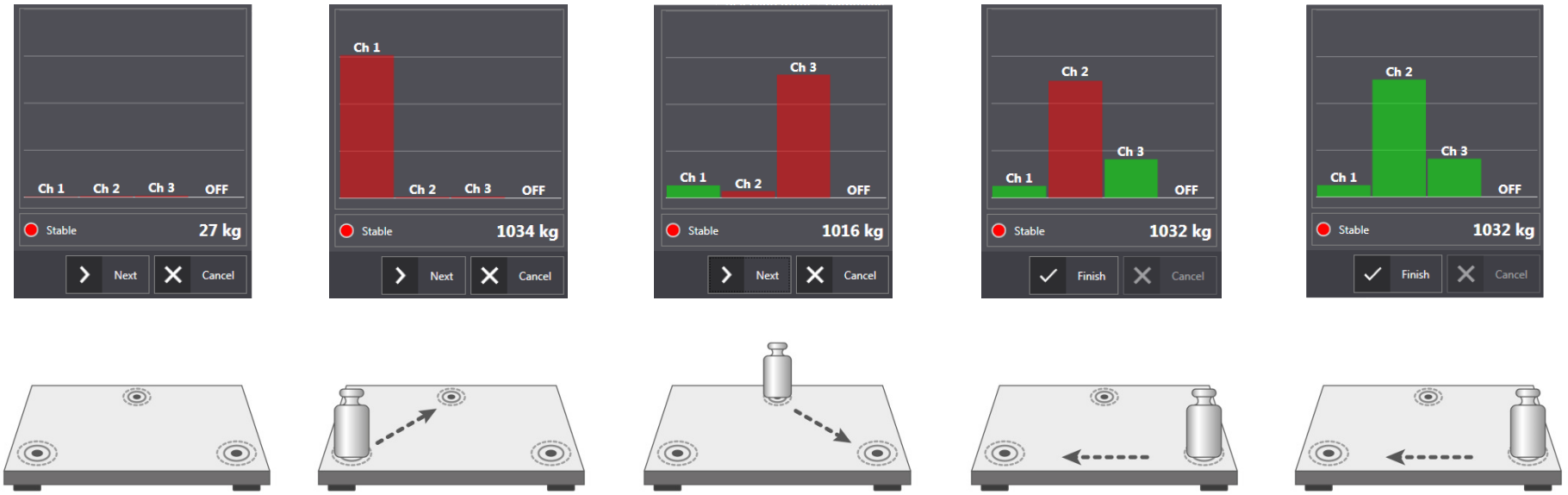
REALTIME – MULTICHANNEL – Equalization



A wizard helps the user through the equalization procedure.
When a channel gets equalized, its bar in the chart becomes green.

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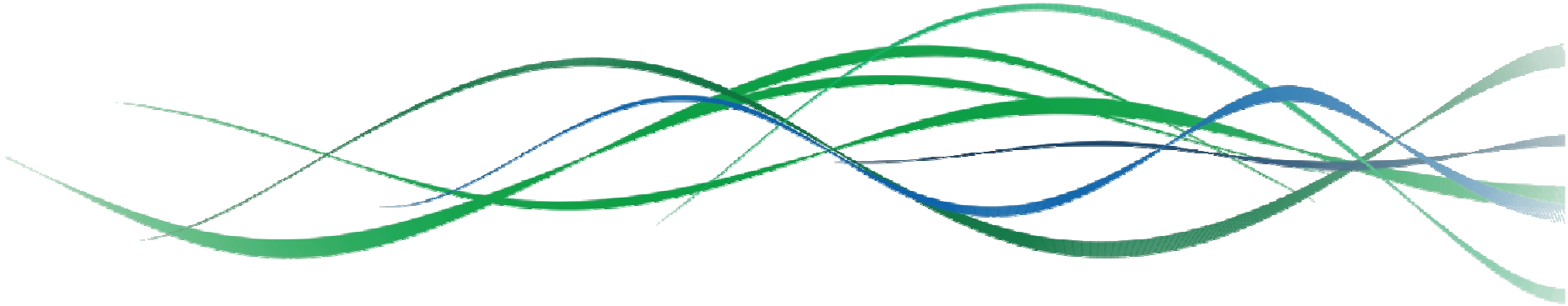
Thank you for your attention!



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