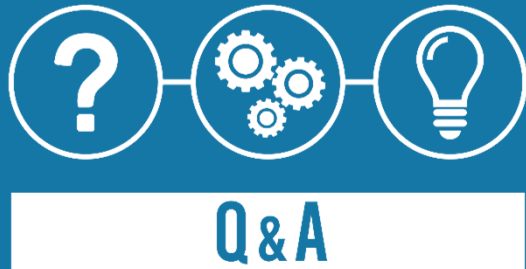


QUESTION TIME



A selection of the best Q&A.

LAUMAS[®]
Innovation in Weighing



INSTRUMENT MANAGER

Webinar 2019



#LAUMASKNOWHOW



Q&A

The questions of the participants, our answers.

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Q

Which **instruments** can be **connected** to Instrument Manager?

A

The software is compatible with all our **multichannel transmitters** that have firmware versions from 1.04 onwards.

The **indicators** in the [W Series](#) and the **single-channel transmitters** are all compatible, regardless of the firmware version (except for: WLIGHT, indicators with software for weighbridges and indicators with a graphic display).

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Q&A

The questions of the participants, our answers.

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How is the **connection** made between **Instrument Manager** and a LAUMAS **instrument**?



The connection is made through an **RS485 serial port**. Since modern PCs no longer have serial ports, you will need to have a **USB-485 converter**.

In order to achieve correct communication with the software, the RS485 serial port must be configured with **Modbus** as the operating mode.





Q&A

The questions of the participants, our answers.

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Q If I connect Instrument Manager to my instrument that has **custom firmware**, is this lost?

A **No, it is not lost.** Our **updates** include your firmware customizations and are compatible with Instrument Manager.

If you wish, it is also possible to customize its **graphic design**: just provide the technicians of our R&D department with the necessary information to make it as per your requirements. In the Instrument Manager **customized setup**, the firmware used will then reflect the required graphical customization.





Q&A

The questions of the participants, our answers.

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Q

Using Instrument Manager, can we **back up** the **configuration** of the **parameters** of an instrument?

A

Yes, this is one of its features. All the **configuration parameters** associated with the installed instruments can be saved on the **software**, allowing greater **autonomy** and **speed** in the subsequent settings of an instrument of the same model

You can also **save** and **catalog** each specific configuration by pairing it with the serial number or instrument name, system, customer, etc.





Q&A

The questions of the participants, our answers.

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If I connect a **previously calibrated instrument** to Instrument Manager, can I read its **data**?



Yes, of course. Once the connection is complete and the instrument configuration is downloaded to the PC, you can access the **actual calibration** page and see the calibration point, including **zero**.





Q&A

The questions of the participants, our answers.

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Q

Can I **export** the **graphic data** displayed during calibration from Instrument Manager?

A

No, not for the moment. They are very **low frequency** sample data (3 or 5 updates per second) that are only used to monitor the connected instrument.





Q&A

The questions of the participants, our answers.

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Q

Can calibration **data** be exported in **PDF format**?

A

No. All the configuration data for making a backup can be **exported** from Instrument Manager to the PC or a network in a specific **proprietary format** managed by the program.





Q&A

The questions of the participants, our answers.

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Q

Can the configuration **parameters** of two **different devices** be **compared**? For example TLS and TLB 485?

A

Yes. The software allows comparing all the parameters (such as full scale, division, filter) that the two instruments have in **common**. It is not possible to compare those parameters that are present only in one of the two instruments.





Q&A

The questions of the participants, our answers.

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Q

With **Instrument Manager** is it possible to provide **support** to customers **remotely** if their weighing systems are connected to the Internet?

A

No, it is not currently possible. The software has been developed on an RS485 basis (serial port present on all our instruments) for programming and backing up configuration data and not for remote management.

We are developing weight indicators and transmitters with different ports (**USB** and **Ethernet**) that, once ready, will allow us to **expand** the **features** of Instrument Manager. Currently, by developing specific software, you can remotely control the weighing systems only if the installed instruments have the **Ethernet TCP/IP** protocol.

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Q&A

The questions of the participants, our answers.

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Q

To **calibrate multichannel weight transmitters**, do you first perform the **theoretical calibration**, then the actual calibration and finally **equalization**?

A

No. After the **theoretical calibration**, **equalization** must be carried out, so as to make the response uniform over the entire surface of the load receptor. Only after these steps can you switch to the **actual calibration** with a sample weight.



Q&A

The questions of the participants, our answers.

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Q

I am using a **multichannel transmitter** in a structure with **4 load cells**, but equalization fails because I cannot make a load cell emerge, how do I solve the **problem**?

A

In a structure with 4 load cells, the correct equalization is achieved by applying the **load at 4 points**, preferably on the 4 load cells, so that one is always predominant over the others. If, following the procedure, the equalization fails, the problem is certainly in the **mechanical structure**, which must be reviewed.

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Q&A

The questions of the participants, our answers.

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Q

What is the **difference** between the different **types** of **filter** of the instrument?

A

A weight **filter scale** from 0 to 10 is available on LAUMAS instruments. The lower the filter number, the faster the data are **transmitted** and the lower the **stability** of the weight **reading**.

As the filter increases, the transmission speed decreases and the stability increases. Depending on the type of application you are developing, you need to find the right compromise between speed and stability.



Q&A

The questions of the participants, our answers.

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Q

If your **electronics** are connected to the load cells of other manufacturers, do they still receive **information** from each **single load cell**?

A

Of course, our software and electronics are compatible with any load cell of any manufacturer.

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