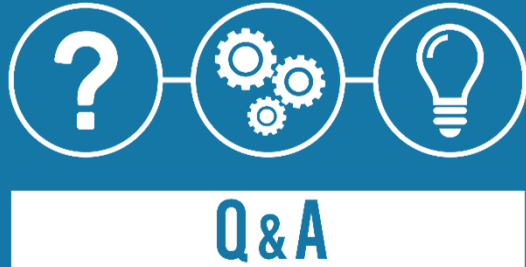


QUESTION TIME



A selection of the best Q&A.

LAUMAS[®]
Innovation in Weighing



THE NEW LINE OF LAUMAS HYGIENIC PRODUCTS

Webinar 2022



#LAUMASKNOWHOW



Q&A

The questions of the participants, our answers.

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Q What is the **objective** of the new 3-A certified hygienic products line? What type of weighing system is it designed for?

A The aim of the new line of hygienic products is to **protect** the **final product** from the risks of contamination and bacterial proliferation.

Each component has been designed to meet the needs of every sector where the hygiene and sanitization of the components is a necessary or anyhow important requirement, particularly for systems installed in these **sectors**: food, dairy, chemical and pharmaceutical.





Q&A

The questions of the participants, our answers.

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Q

Can the hygienic line components be mounted only on systems with silos or on other systems as well?

A

The **FLC 3A** load cell in particular is designed to be mounted on **structures with legs**, since it is screwed in directly at the feet of the structure. All the other **components** can instead be installed on **any** type of **system**. Furthermore, all 3-A certified products can also be installed in systems that do not require frequent sanitation or sanitation.

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Q&A

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Q

Are the **prices** of the 3-A components on the website or do I need to contact the sales office for them?

A

All the list prices of LAUMAS products are on our website for registered users with a **Full Registration**, both on the [Price Lists](#) page and on each product data sheet. In the personal **Customer Area** there are also all the special discounts.

You can always contact the sales office to be guided step by step in selecting products and for information on the availability and shipping times of the material.
[Contact us](#)

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Q

Is the FLC 3A load cell available **ready for delivery**?

A

Yes. All the components of the new hygienic line are already available ready for delivery: the [FLC 3A load cell](#), optional feet, [CDG 3A junction box](#) and [WINOX 3A](#) and [TLM8I 3A](#) instruments.





Q&A

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Q

In which **capacities** is the FLC 3A load cell available?

A

The FLC 3A load cell is available with the following capacities: 1000 kg - 2000 kg - 5000 kg - 10000 kg - 20000 kg.





Q&A

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Q

What is the **accuracy** of the FLC 3A load cell?

A

The combined error (or accuracy) of the FLC 3A load cell is calculated as a percentage on the full scale and is $\pm 0.1\%$.





Q&A

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Q

What weight **resolution** can be achieved in a system with 3 FLC 3A 1000kg load cells?

A

In a static, vibration-free weighing system not approved for commercial transactions, 30000 divisions can be displayed with a reading resolution of 100g.





Q&A

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Q

To work properly, at what **maximum ambient temperature** can the FLC 3A load cell be installed?

A

The FLC 3A load cell works correctly at an ambient temperature of between **-20** and **+ 70°C**. During the washing and sanitizing phase, it withstands jets of water with a temperature of up to 100°C.





Q&A

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Q Can the **condensation** that forms at low temperature affect the load cell's life cycle?

A No, low-temperature condensation does not reduce the life cycle of the load cell or damage it.
This is due to the highest **IP69K** protection rating and the broad working temperature range of the load cell (-20 + 70°C).





Q&A

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Q

Can the **foot** of the FLC 3A load cell be **secured** to the floor?

A

Yes, of course. The foot of the FLC 3A load cell is also available in a **pluggable version**.

The two holes allow securing the foot to the floor with 2 hygienic screws and thus creating an anti-tilt constraint.

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Q&A

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Q

Can I install the FLC 3A load cell on **mixers** with vibrations?

A

Yes, of course. The FLC 3A load cell is designed to be installed directly on the foot of the structure also on systems with **vibrations**, such as mixers.

Moreover, by using the pluggable hygienic foot, the structure is fixed to the floor, thus creating an **anti-tilt constraint**

Finally, it is also recommended to provide horizontal constraints that can counteract vibrations and lateral forces.

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Will other load cell models, such as the shear or bending beam load cells, also be 3-A certified?



Yes, we are planning to **expand** the new hygienic line with other load cell models, but they will probably not be shear or bending beam load cells. Their parallelepiped or accordion shape and the need to make their mounting accessories hygienic do not make them particularly suitable for obtaining 3-A certification.





Q&A

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Q Is there a single version of the **LCB 3A universal digitizer** that can convert the load cell signal into all protocols or are there different models, each one dedicated to a single fieldbus?

A The LCB 3A universal digitizer converts the load cell signal into most of the fieldbuses available on the market, but each single instrument can convert the signal into only one fieldbus.
At the time of ordering, it is therefore necessary to state the chosen communication protocol, since after purchase it will no longer be possible to change it.