

LAUMAS elevates digital load cell innovation with CC-Link IE

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Turning any analogue application into a smarter, interconnected setup is a key step in the digitalisation of manufacturing and processing industries. Companies looking at advancing their weighing system can leverage the latest CC-Link IE compatible LCB universal load cell digitiser and weight transmitter from LAUMAS to successfully move forward in their digital transformation.

LAUMAS' latest LCB model offers advanced performance and user-friendliness, thanks to a number of upgrades. These have been implemented to address the growing need for competitive Industry 4.0 applications in every sector, from chemical and pharmaceutical manufacturing all the way to heavy construction.

Emphasising the importance of communication in the digital age, LAUMAS has expanded the network technologies supported by its solution. One of the key new features of the LCB universal load cell digitiser is compatibility with CC-Link IE open industrial Ethernet to support effective data sharing. More precisely, the solution uses the popular CC-Link IE Field Basic version to deliver connectivity through standard 100 Mb/s Ethernet ports.

As a result, the device can communicate with a broad range of other certified products, such as PLCs, from a variety of vendors worldwide. LAUMAS' global end users can therefore use the device to support automated operations, condition

monitoring, predictive maintenance and other Industry 4.0-oriented operations that include weighing. Furthermore, this capability can pave the way for future integrations and smarter, highly interconnected setups.

Massimo Consonni, CEO at LAUMAS, comments: "We are excited to introduce these transformative upgrades to our LCB universal load cell digitiser. The inclusion of CC-Link IE Field Basic underscores our commitment to leading the charge in digital load cell innovation and helping our customers advance their digital transformation.

"We selected this open network technology to help our customers drive their interconnectivity, which is a must to create the Industrial Internet of Things that they seek. Throughout the entire implementation journey, we felt supported by the CC-Link Partner Association (CLPA) specialists and the in-house testing was extremely helpful too, enabling us to reduce time-to-market, greatly benefitting our customers."

The enhanced digitiser and weight transmitter for load cells can operate at a higher speed, with weight calculation and industrial Ethernet data update frequencies reaching up to 500 values per second. Therefore, it can support increasingly faster processes, contributing to higher productivity.

THE LCB is easy to configure and flexible when it comes to installation, streamlining and implementation, as well as supporting the rapid digitalisation of existing systems. Finally, the device is available in PA66 nylon reinforced with fiberglass and AISI 304 stainless steel. Users can also select a metal container that is certified according to 3-A sanitary standards for use in hygienic applications, e.g. in food and beverage processing.

John Browett, General Manager at the CLPA Europe, says: “As the landscape of industrial automation continues to evolve, the integration of CC-Link IE Field Basic into LAUMAS’ LCB universal load cell digitiser will empower users in various industries to not only meet but even exceed their requirements, enabling them to better serve their customers and drive their competitiveness. We are proud to see a fast-growing number of products with compliance certifications for our open network technologies, as these are contributing to the effectiveness and advancement of industrial processes globally.”

Image captions:



Image 1: LAUMAS' CC-Link IE Basic compatible LCB model offers advanced performance and user-friendliness. ©LAUMAS

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About The CC-Link Partner Association (CLPA)

The CLPA is an international organisation founded in 2000 dedicated to the technical development and promotion of the CC-Link family of open automation networks. The CLPA's key technology is CC-Link IE TSN, the world's first open industrial Ethernet to combine gigabit bandwidth with Time Sensitive Networking (TSN), making it the leading solution for Industry 4.0 applications. Currently the CLPA has over 4,200 member companies worldwide, and more than 2,800 compatible products available from over 380 manufacturers. Over 40 million devices using CLPA technology are in use worldwide.

Further Information:

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