



MERLIN

LOAD CELL MODULE

The JCA MERLIN is a device that measures up to 5 load cells for weight measurement and communicates the resulting data over CAN bus to a controller such as the JCA Falcon or JCA Oriole for data processing.

Weight data can be used in larger control systems; for example to dispense precise quantities of grain from a grain cart with the push of a button, or preventing a winch cable from being over tensioned, automatically shutting off the motor if the cable tension exceeds a specific threshold. Pairing the JCA MERLIN with one of JCAs controllers also enables the development of mobile (iOS/Android) applications that can be used in control and monitoring type applications.

The JCA MERLIN can be used in industries like agriculture, transportation, oil & gas, mining which include applications such as:

- Grain Carts
- Feed Mixers
- Fertilizer Spreaders
- Bale Accumulators
- Livestock scale
- Truck & Trailers
- Rope- or Cable-Tension
- Sheer Pin Force



A SUMMARY OF THE JCA MERLIN CAPABILITIES ARE:

- Environmentally sealed (IP66), -40°C to +85°C operating temperatures
- Designed for 12V and 24V systems
- One CAN bus for configuration and data communication
- Up to five, 4-wire load cell interfaces which include programmable excitation voltages.
- Selectable excitation voltage (3VDC, 5VDC and 10VDC)
- Configurable gain, gain calibration and zero offset adjustment over CAN bus



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LET US OUTLINE YOUR SYSTEM

Let's discuss your electronic system needs. Our experts can help you arrive at a detailed solution that fits your particular application.

Contact us today for your immediate system assessment.

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