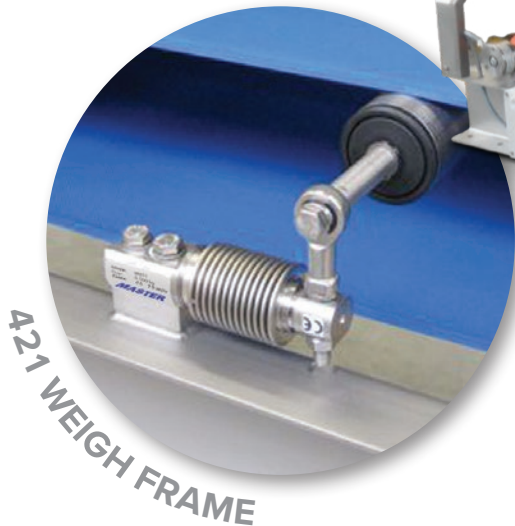# Weigh Belt Feeders

MASTER

Master™ Weigh Belt Feeders Keep Materials Moving

Unlock complete control of in-motion weighing with Master™ weigh belt feeders. Industries that rely on bulk material processing can use weigh belt feeders to streamline processes without sacrificing accuracy.

Weigh belt feeders for material flow control can be customized with options such as painted steel or stainless steel for additional sanitation and durability. Further customization is available for facilities with especially strict hygiene and sanitation requirements, such as food-grade models that meet HACCP requirements for food processing.

Ensure Quality Results

Infeed control, also called belt speed control, optimizes product flow and dosing to maintain consistency. With measured values and controlled feeding, operators can regulate the capacity of the bulk flow for consistent, flawless products.

421 WEIGH FRAME

Pair With Durable Solutions

A weigh belt feeder needs a reliable weigh frame, speed sensor and weight integrator. The Master 421 weigh frame is essential for smooth operations and efficient processing. When paired with the 882D integrator, operators can utilize programming capabilities with weigh belt feeders for customizable bulk material weighing.

Customizable Instrumentation

Rice Lake offers integrators that pair with Master products. The 882D is designed for dynamic weighing and has a rugged enclosure to protect it from damage in harsh locations. It features advanced programming capabilities to view the rate, speed and time of processing. Ensure your facilities have the best equipment to monitor in-motion weighing of any product, in any environment.

MASTER Weigh Belt Feeders

882D Belt Scale Integrator

Bring Efficiency to Bulk Weighing

Belt scales used in demanding industries like mining, bulk material blending, and sand or gravel quarries require instrumentation that can keep up. The tough yet compact 882D belt scale integrator is engineered to provide straightforward, accurate data in a wide range of environments. With onboard digital I/O, the 882D can provide greater versatility in product dosing and metering by allowing operators to choose whether to control metering with the integrator or via PLC programming.

A backlit display makes rate, speed and time easy to view, even in lighting conditions where a screen would typically be difficult to read. An IP66 stainless steel enclosure protects sensitive electronics from severe weather and is well-suited for exposure to harsh environments. Whether you are belt weighing for process control or at a truck, barge or rail loadout application, the 882D will provide reliable performance in every setting.

Shown with panel mount

STANDARD FEATURES

- LCD display
- Hardware slot for two option cards
- Operator access to audit trail, preset tare, accumulator, time and date and setpoints through menu keys
- Password-protected audit trail tracking for configuration and calibration changes
- Setpoints for control and alarms
- Four onboard digital I/O channels
- Filter settings for noise
- Speed inputs

SPECIFICATIONS

POWER	Input voltages: 100 to 240 VAC; 9 to 36 VDC Input frequency: 50/60 Hz
POWER CONSUMPTION:	AC: 15 watts; DC: 20 watts
EXCITATION VOLTAGE:	10 VDC 8 × 350 ohm (16 × 700 ohm) load cells
ANALOG SIGNAL INPUT RANGE:	-45 mV to 45 mV
ANALOG SIGNAL SENSITIVITY:	0.3 µV/graduation minimum at 7.5 Hz; 1.0 µV/graduation typical at 120 Hz
SAMPLE RATE:	7.5 to 120 Hz, software selectable
RESOLUTION:	Internal: 8,000,000 counts 23-bit Display: 100,000
SYSTEM LINEARITY:	± 0.01% full scale
DIGITAL I/O:	Four I/O onboard primary keys, pseudo functions, batching functions
COMMUNICATION PORTS:	RS-232 full duplex or RS-485 half duplex; USB 2.0 Micro B connector; Ethernet TCP/IP
PULSE INPUT:	Dual inputs for redundancy
DISPLAY:	LCD display, 0.8 in, seven-digit, seven-segment weight display, 3 × 20 pixelated prompt area
ANNUNCIATORS:	Load, total, rate, speed, zero
KEYS/BUTTONS:	Flat membrane panel, tactile feel
TEMPERATURE:	Industrial: 14 °F to 122 °F (-10 °C to 50 °C)
DIMENSIONS (L × W × H):	9.93 × 4.00 × 8.94 in
WEIGHT:	12 lb (5.4 kg)
RATING/MATERIAL:	IP66 Stainless steel
WARRANTY:	Two-year limited

APPROVALS:

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SALES AND TECHNICAL ASSISTANCE

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