882D Performance™ Series

BELT SCALE INTEGRATOR

RICE LAKE®
WEIGHING SYSTEMS

800-472-6703
www.ricelake.com

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BELT SCALE INTEGRATOR

Bring Efficiency to Bulk Weighing with the 882D Belt Scale Integrator

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 — even hazardous locations.

Designed with advanced programming capabilities and an I/O option, the 882D can be customized to manage product dosing and metering. A built-in web server allows users to take advantage of remote monitoring and functionality, while communicating with other equipment or a PLC is made possible with the 882D's fieldbus interface.

A backlit display makes for easy viewing of rate, speed and time, even in lighting conditions where a screen would typically be difficult to read. The 882D's IP66 stainless steel enclosure protects the instrument from severe weather and is well-suited for exposure to harsh environments. Whether you are belt weighing for process control or a truck, barge or rail loadout application, you can rely on the 882D for durable performance in every setting.

STANDARD FEATURES

- LCD display, 0.8 in seven-digit, seven-segment weight display, 3 x 20 pixelated prompt area
- RS-232 or RS-485 serial port
- USB device port connects directly to a PC
- Ethernet TCP/IP polled or continuous
- AC or DC models
- Hardware slot for two option cards
- Operator functions through menu key for audit trail, preset tare, accumulator, time & date and setpoints
- Built-in web server for remote access, systems integration and data monitoring
- Audit trail tracking for configuration and calibration changes
- Password protection for user and configuration changes
- Setpoints for control and alarms
- Four onboard digital I/O channels
- Four programmable ticket formats up to 1,000 characters
- Filter settings for light, medium and heavy noise
- Speed inputs

SPECIFICATIONS

POWER:	Input voltages: 100-240 VAC; 9-36 VD Input frequency: 47-63 H
POWER CONSUMPTION:	AC: 15 watts; DC: 20 watts
EXCITATION VOLTAGE:	10 VDC 8 x 350 Ω (16 x 700 Ω) 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 million counts 23 bit weight display: 100,000
SYSTEM LINEARITY:	± 0.01% full scale
DIGITAL I/O:	Four I/O onboard primary keys, pseudo functions, batching functions
CIRCUIT PROTECTION:	18 KV, 10 V/meter
COMMUNICATION PORTS:	RS-232 full duplex or RS-485 half duplex; USB micro A/B connector 2.0; Ethernet TCP/IP
PULSE INPUT:	Dual inputs for redundancy
DISPLAY:	Load, total, rate, speed, zero
KEYBOARD:	Flat membrane panel, tactile feel

SALES AND TECHNICAL ASSISTANCE

RICE LAKE WEIGHING SYSTEMS

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