

882D Performance[™] Series

BELT SCALE INTEGRATOR



RICE LAKE[®]
WEIGHING SYSTEMS

800-472-6703

www.ricelake.com



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.

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 12 VDC
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:



Shown with panel mount