

# 882D Performance<sup>™</sup> Series

BELT SCALE INTEGRATOR



**RICE LAKE**<sup>®</sup>  
WEIGHING SYSTEMS

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# 882D Performance<sup>™</sup> Series

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 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.

### Available for Hazardous Locations

The 882D belt scale integrator is available as the intrinsically safe 882D HazLoc model and can be used in Class I/II, Division 2 and Zone 2/22 areas. Intrinsically safe equipment limits the amount of energy in a system to prevent ignition around combustible materials. 882D HazLoc indicators are designed for use in applications such as grain processing, chemical plants, ethanol plants and textile manufacturing. 882D HazLoc is supported by UL, IECEx and ATEX approvals.



Shown with panel mount



### 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
- 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

<b>POWER:</b>	Input voltages: 100-240 VAC; 9-36 VD Input frequency: 47-63 Hz
<b>POWER CONSUMPTION:</b>	AC: 15 watts; DC: 20 watts
<b>EXCITATION VOLTAGE:</b>	10 VDC 8 x 350 Ω (16 x 700 Ω) load cells
<b>ANALOG SIGNAL INPUT RANGE:</b>	-45 mV to 45 mV
<b>ANALOG SIGNAL SENSITIVITY:</b>	0.3 μV/graduation minimum at 7.5 Hz; 1.0 μV/graduation typical at 120 Hz
<b>SAMPLE RATE:</b>	7.5 to 120 Hz, software selectable
<b>RESOLUTION:</b>	Internal: 8 million counts 23 bit weight display: 100,000
<b>SYSTEM LINEARITY:</b>	± 0.01% full scale
<b>DIGITAL I/O:</b>	Four I/O onboard primary keys, pseudo functions, batching functions
<b>CIRCUIT PROTECTION:</b>	18 KV, 10 V/meter
<b>COMMUNICATION PORTS:</b>	RS-232 full duplex or RS-485 half duplex; USB micro A/B connector 2.0; Ethernet TCP/IP
<b>PULSE INPUT:</b>	Dual inputs for redundancy
<b>DISPLAY:</b>	Load, total, rate, speed, zero
<b>KEYBOARD:</b>	Flat membrane panel, tactile feel

### HAZARDOUS CERTIFICATION (OPTIONAL):

<b>FM/CFM:</b>	Class I, II, Division 2, Groups ABCDFG T4 Class III Class I, Zone 2 AEx/Ex ic ec nA nC [ic] IIC T4 Gc Zone 22 AEx/Ex tc IIIC T135°C Dc
<b>ATEX/IECEX:</b>	II 3 G Ex ic ec nA nC [ic] IIC T4 Gc II 1 D Ex tc IIIC T135°C Dc

SALES AND TECHNICAL ASSISTANCE

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