882D Belt Scale Integrator

RICE LAKE
WEIGHING SYSTEMS

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

Approvals

CE

c(UL)us LISTED

FC

UKCA

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.

882D 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 x W x H)
9.93 × 4.00 × 8.94 in

Weight:
12 lb (5.4 kg)

Rating/Material:
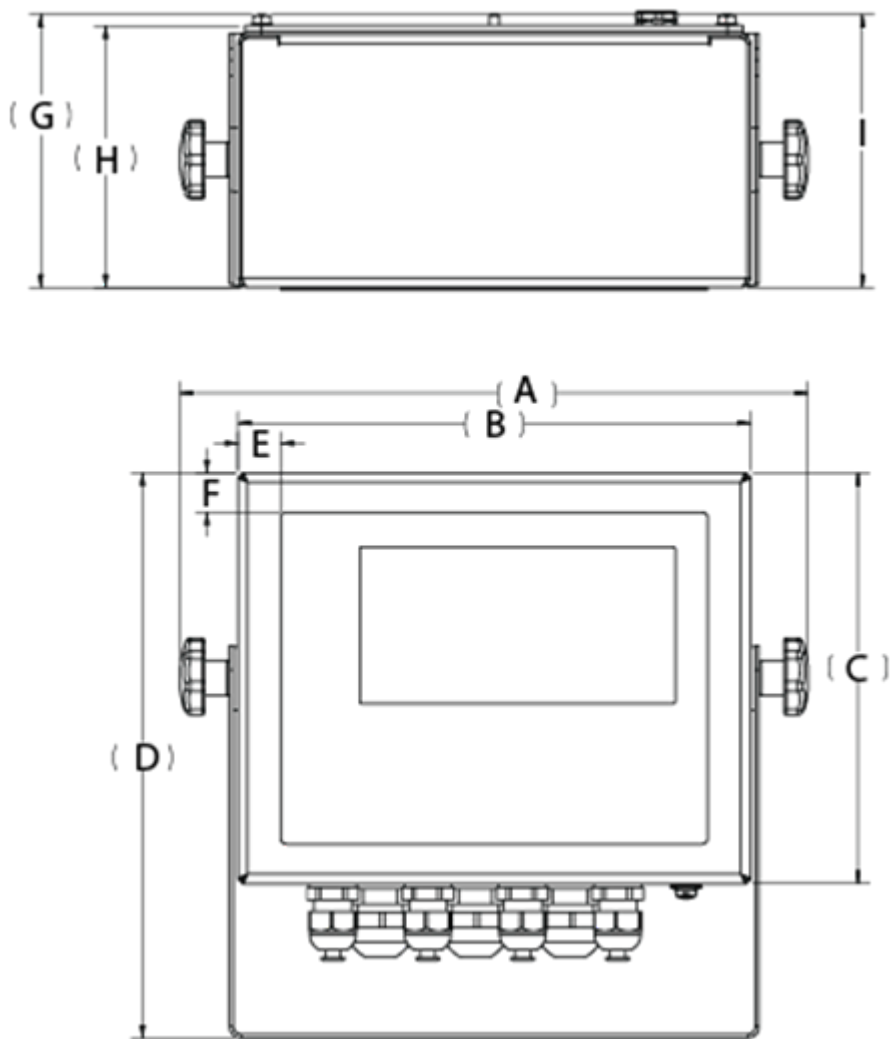IP66
Stainless steel

Warranty:
Two-year limited

EMC Immunity:
18 KV, 10 V/m

Approvals:
CE Approved
cULus Listed

882D Dimensions

Dimensions			
A	9.93 in (252 mm)	G	4.31 in (110 mm)
B	8.10 in (206 mm)	H	4.14 in (105 mm)
C	6.50 in (165 mm)	I	4.32 in (110 mm)
D	8.94 in (227 mm)		
E	0.68 in (17 mm)		
F	0.63 in (16 mm)		

Parts

Part #	Description
177708	Indicator,882D Belt Scale 100-240VAC US Plug, Belt Scale Integrator with LCD Display Universal Enclosure
180847	Indicator,882D 100-240VAC 100-240VAC Euro Plug, Belt Scale Integrator with LCD Display Universal Enclosure
184683	Indicator,882D Belt Scale Integrator DC Power with LCD Display Universal Enclosure

Options

Part #	Description
190527	882D Opt,Digital I/O Option Card
190528	882 Opt,Single Analog Output (0-10VDC, 0-20mA, 4-20mA)
190529	882D Opt,Relay Interface Option Card (Not for Totalizer Pulse Count Output)
177850	Panel,Mount Option 880, 882D, 882IS Universal Indicator, Gasketed Non-NEMA Seal.
197724	Overlay,Clear Protective Window with Adhesive Edge,Package of Five Each,882

Network Cards

Part #	Description
190530	882 Opt,Ethernet/IP CompactCom Option
190531	882 Opt,DeviceNet CompactCom Option
190532	882 Opt,ProfiNet CompactCom Option
190533	882 Opt,Modbus TCP CompactCom Option
190534	882 Opt,Profibus CompactCom Option
190535	882 Opt,EtherCAT CompactCom Option