882D HazLoc

Belt Scale Integrator for Hazardous Locations

COMING SOON

Approvals

UKCA · c(UL)us LISTED · CE · IECEx · Ex

Standard Features

- LCD display
- Hardware slot for two option cards
- Operator access to audit trail, preset tare, accumulator, time & 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
- Four programmable ticket formats up to 1,000 characters
- Filter settings for noise
- Speed inputs

Rice Lake Weighing Systems® warrants that all Rice Lake Weighing Systems hazardous location equipment and systems installed by a qualified electrician will operate per written specifications as confirmed by the distributor/OEM and accepted by Rice Lake Weighing Systems. All systems and components are warranted against defects in materials and workmanship for one year. All Rice Lake Weighing Systems intrinsically safe equipment carries a UL Hazardous approval and is documented on various control drawings. Each device is manufactured by Rice Lake Weighing Systems factory authorized personnel. To preserve the warranty and UL Hazardous approval, all repairs or replacement of circuit boards or components housed within the enclosures must be performed by Rice Lake Weighing Systems factory authorized personnel.

Specifications

Power:
Input voltages: 100 to 240 VAC
Input frequency: 47/63 Hz

Power Consumption:
AC: 15 watts; DC: 20 watts

Excitation Voltage:
4.373 VDC 4 × 350 ohm or 8 × 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

Pulse Input:
Dual inputs for redundancy

Communication Ports:
RS-232 full duplex or RS-485 half duplex; USB micro A/B connector 2.0; Ethernet TCP/IP

Annunciators:
Load, total, rate, speed, zero

Display:
LCD display, seven-digit, seven-segment weight display, 3 × 20 pixelated prompt area

Keyboard:
Flat membrane panel, tactile feel

Dimensions:
(L x W x H)
9.93 × 4.00 × 8.94 in
(251 × 102 × 227 mm)

Temperature Range:
Operating: 14° F to 122° F (-10° C to 50° C)

Rating/Material:
IP64, 304 stainless steel

Weight:
12 lb (5.4 kg)

Warranty:
Two-year limited

EMC Immunity:
15 kV ESD transients, EMI 10 V/meter

Hazardous Certification:
cULus:
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
ATEX/IECEx:
II 3 G Ex ic ec nA nC [ic] IIC T4 Gc
II 3 D Ex tc IIIC T135°C Dc

Approvals:
CE Marked
cULus Listed
ATEX/IECEx
UKCA

882D HazLoc
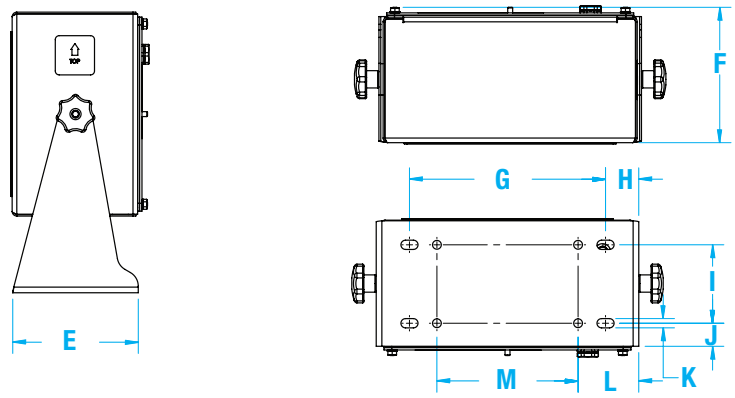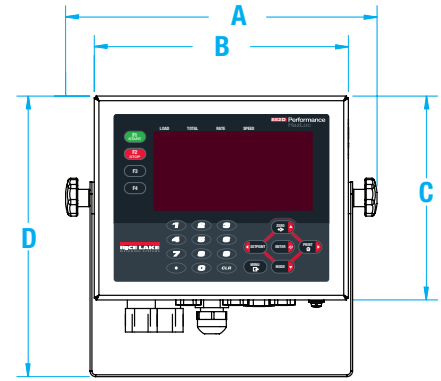Belt Scale Integrator for Hazardous Locations

Part Number/Price

Part #	Description	Price
180845	882D HazLoc indicator with LCD display universal enclosure, 1/2 NPT thread adapters	Consult
180846	882D HazLoc indicator with LCD display universal enclosure, M16 x 1.5 thread adapters	Consult

Options/Accessories

Part #	Description	Price
Option Cards		
208116	880 HazLoc analog kit	Consult
208117	880 HazLoc relay kit	Consult
Network Cards		
211011	882 EtherNet/IP HazLoc	Consult
211012	882 DeviceNet HazLoc	Consult
211013	882 ProfiNet HazLoc	Consult
211014	882 Profibus HazLoc	Consult
211015	882 Modbus TCP HazLoc	Consult
211017	882 EtherCAT HazLoc	Consult

882D HazLoc Dimensions

A	9.93 in (252 mm)	H	1.06 in (27 mm)
B	8.10 in (206 mm)	I	2.50 in (64 mm)
C	6.50 in (165 mm)	J	0.73 in (19 mm)
D	8.94 in (227 mm)	K	0.30 in (8 mm)
E	4.00 in (102 mm)	L	1.93 in (49 mm)
F	4.32 in (110 mm)	M	4.50 in (114 mm)
G	6.25 in (159 mm)		

Junction Box Dimensions

A	4.63 in (118 mm)	C	4.00 in (102 mm)
B	4.00 in (102 mm)	D	2.13 in (54 mm)