

880 HazLoc

Digital Weight Indicator/Controller for Hazardous Locations

COMING
SOON



HAZARDOUS LOCATION
INSTRUMENTATION

Approvals



Standard Features

- LED display
- Hardware slot for one option card
- 20 setpoints with latched batch engine or unlatched outputs
- Four onboard TTL digital I/O channels
- Programmable ticket formats up to 1,000 characters for header text, gross, net, accumulator and setpoints
- Local/remote operation
- Multi-range or multi-interval weighing
- Filter settings for light, medium and heavy noise

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:

Line voltages: 100 to 240 VAC
Frequency: 50/60 Hz

Power Consumption:

AC 15 W

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:

0.83 μV/graduation

A/D Sample Rate:

7.5 to 960 Hz, software selectable

Resolution:

Internal: 8,000,000 counts 23-bit
Display: 999,999

System Linearity:

± 0.01% full scale

Digital I/O:

Four I/O onboard (max), primary keys, pseudo functions, batching functions

Communication Ports:

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

Annunciators:

Gross, net, center of zero, standstill, lb, kg, tare, preset tare, multi-range/interval 1/2/3

Display:

LED, 0.56 in (14 mm), six-digit, 14-segment with decimal or comma

Keys/Buttons:

Membrane panel, tactile feel

Temperature Range:

Certified: 14 °F to 104 °F (-10 °C to 40 °C)

Dimensions:

(L × W × H)
9.87 × 4.00 × 9.38 in
(248 × 102 × 235 mm)

Rating/Material:

IP64, 304 stainless steel

Weight:

12 lb (5.4 kg)

EMC Immunity:

EN 50082 Part 2 IEC EN 61000-4-2, 3, 4, 5, 6, 8, and 11

Warranty:

Two-year limited

Hazardous Classification:

UL/cUL:
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:

NTEP CC 13-080 Class III/IIIL, 10,000d
Measurement Canada AM-5931C
EU Test Certificate
UKCA
cULus Listed
ATEX/IECEX
CE Marked

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Part Number/Price

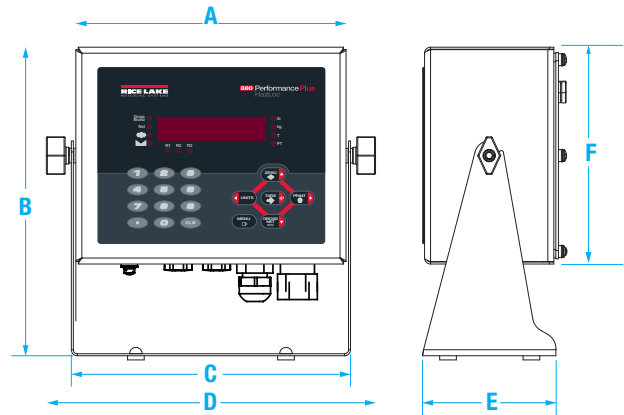
Part #	Description	Est. Weight	Price
181392	880 Universal hazardous indicator, 1/2 NPT thread adapters	8 lb	Consult
181507	880 Universal hazardous indicator, M16 x 1.5 thread adapters	8 lb	Consult

Options/Accessories

Part #	Description	Price
Option Cards		
208110	880 HazLoc analog kit	Consult
208111	880 HazLoc relay kit	Consult
Network Cards		
211019	EtherCat HazLoc	Consult
211020	EtherNet/IP HazLoc	Consult
211021	Profinet HazLoc	Consult
211022	Modbus TCP HazLoc	Consult
211023	Devicenet HazLoc	Consult
211024	Profibus HazLoc	Consult

880 HazLoc Dimensions

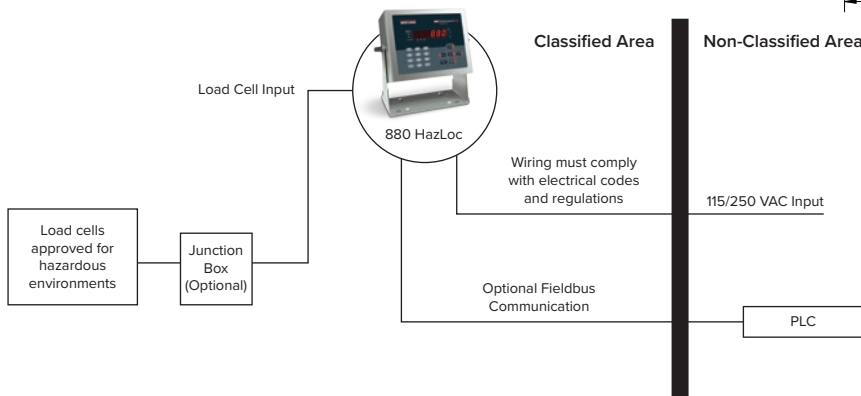
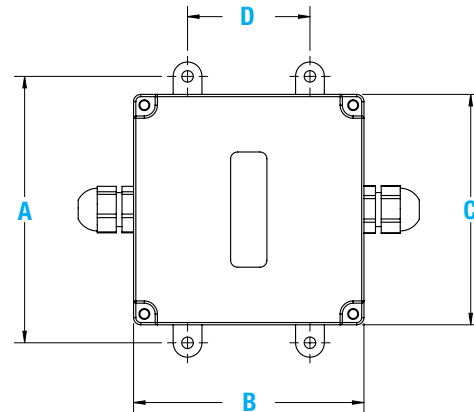
A	8.10 in (206 mm)	D	9.87 in (248 mm)
B	9.38 in (235 mm)	E	4.00 in (102 mm)
C	8.37 in (213 mm)		



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 (548 mm)

Note: Junction box is provided and required for proper installation



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