

320IS

INTRINSICALLY-SAFE
DIGITAL WEIGHT INDICATOR



RICE LAKE WEIGHING SYSTEMS

Commitment Beyond Measurement®

320IS INTRINSICALLY-SAFE DIGITAL WEIGHT INDICATOR



A Solution for Hazardous Locations

Designed with the level of safety your location requires, the 320IS digital weight indicator meets hazardous environment requirements without hesitation. With Factory Mutual (FM) entity approval, it is the ideal solution for dangerous and highly

explosive environments. Even in dimly-lit areas, the 320IS maintains brilliant visibility for user-friendly operation.

The intrinsically-safe, auto ranging power supply is designed to meet 320IS entity parameters and to safely mount within hazardous areas. With this option, wiring is simplified to a single AC conduit line and seal from the safe area—barrier strips are no longer necessary. When required, an entity approved battery power supply is also available.

Expand the flexibility of the 320IS with the optional safe area I/O Module, featuring two serial ports, two analog outputs, four digital inputs and four relay contact outputs, allowing communication with printers, computers and other peripherals. The 320IS is equipped with a duplex fiber optic port for electrically-isolated communication with the I/O Module.

For IS entity approval, Rice Lake offers hundreds of FM-approved load cells that interface with the 320IS in accordance with the official FM control drawings.

Achieve an intrinsically-safe solution with increased connectivity and performance—the 320IS.

Standard Features

- Bright LED display
- Power ON/OFF, battery save mode
- Stainless steel NEMA 4X/IP66 enclosure
- Front-panel digital calibration
- Excitation for four 350Ω or eight 700Ω load cells
- Gross/Tare/Net computation
- Tilt stand
- Duplex fiber optic interface
- Factory Mutual (FM) entity approved
- Class I Division I Groups A, B, C, D and Class II Division 1 Groups E, F, G and Class III; T-Rating: T4
- NTEP certified

Options/Accessories

- 115/230 VAC auto ranging power supply
- 6V battery and charger
- I/O Module, 2 serial ports configurable as RS-485, RS-422, RS-232 or 20mA, 2 analog outputs, 4 digital inputs and 4 relay contact outputs (AC units only)
- IS cable: hazardous environment load cell cable
- Fiber optic cable

Specifications

POWER

Nominal Voltage: Intrinsically-safe power supply (6.8 VDC at 190mA output) or optional 6 VDC battery

Minimum Voltage: 5.8 VDC

Maximum Voltage: 7.9 VDC

ANALOG SPECIFICATIONS

Measurement Rate: 60 measurements/sec

Load Cells: 4 x 350Ω or 8 x 700Ω

DIGITAL SPECIFICATIONS

Digital Filter: RATTLETRAP™ digital filtering

OPERATOR INTERFACE

Display: 6-digit LED display, 16-segment, 0.8" (20mm) digits

Annunciators: Gross, net, center of zero, standstill, lb/primary units, kg/secondary units, oz, g

ENVIRONMENTAL

Operating Temp: -10 to +40°C

Storage Temp: -25 to +70°C

Humidity: 0-95% relative humidity

ENCLOSURE

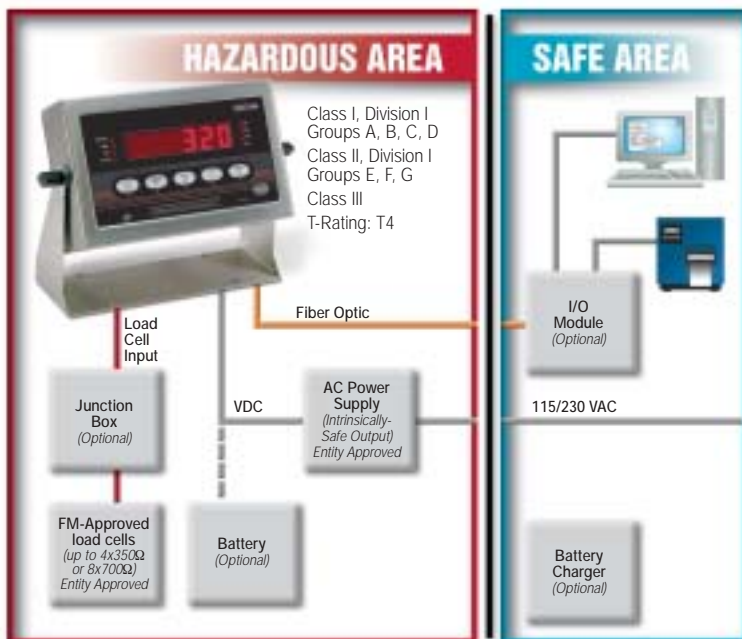
Enclosure Size: 9.5" x 6" x 2.75" (24cm x 15cm x 7cm)

Weight: 6.1lb (2.8kg)

Rating/Material: UL Type NEMA 4X/IP66

WARRANTY

1-year limited warranty



A typical 320IS installation in a hazardous industrial area



320IS indicator shown with the IS-EPS-100-240 VAC Power Supply and I/O Module (cables required not shown)

Approvals



Your Rice Lake Weighing Systems distributor is:

RICE LAKE WEIGHING SYSTEMS
Commitment Beyond Measurement™



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Specifications subject to change without notice