

# IQ

INTRINSICALLY SAFE

# 700 IS

HAZARDOUS ENVIRONMENT  
DIGITAL WEIGHT INDICATOR



**RICE LAKE WEIGHING SYSTEMS**

Commitment Beyond Measurement™

# IQ 700 IS

## HAZARDOUS ENVIRONMENT DIGITAL WEIGHT INDICATOR

### The Ideal Solution for On-Site Weight Indication in Hazardous Areas.



The IQ 700 IS shown with intrinsically-safe power supply.

In dangerously-explosive and dimly-lit environments, the FM-approved, intrinsically-safe IQ 700 IS shines as the indicator of choice. From the big and bright

LED display to the convenient numeric keypad for entering tares, the IQ 700 IS is designed to be operator friendly. The proven IQ 700 IS hardware and familiar software make setup a breeze for installers.

A revolutionary intrinsically-safe 115 VAC power supply has been designed for mounting within the hazardous area. This feature eliminates the need for barrier strips, and simplifies wiring by requiring only a single AC conduit line and seal from the safe area. In addition, an optional battery is available.

For IS system compatibility, Rice Lake offers hundreds of FM-approved load cells that interface with the IQ 700 IS in accordance with the official FM control drawings. To achieve complete system integration, an optional I/O barrier mounts in the safe area for direct connection to printers, computers or other peripherals.

#### Standard Features:

- Bright LED display
- Stainless steel NEMA 4X enclosure
- Front-panel digital calibration
- Automatic zero and span temperature compensation
- Excitation for four 350-ohm load cells at 5 VDC
- Gross/Tare/Net computation
- Time and date
- Tilt stand
- Setup parameters printout
- NTEP certified
- Factory Mutual approved

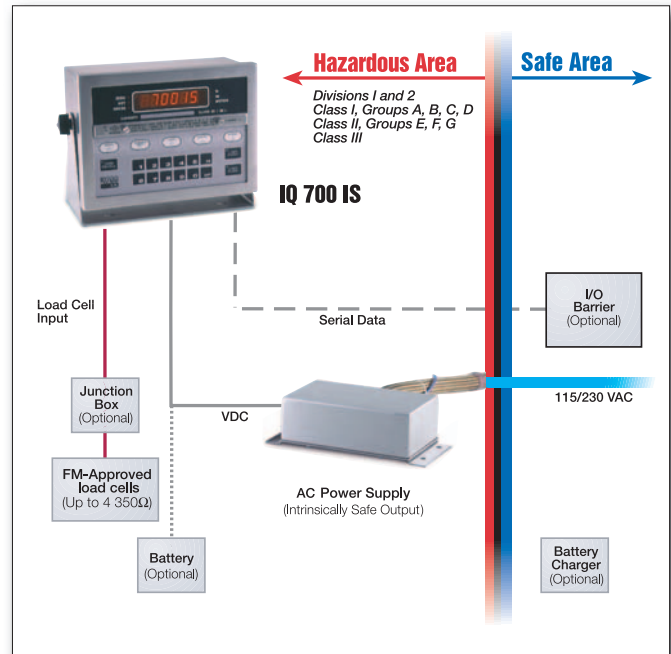
#### Options:

- Serial output cable assembly
- IS Cable: Hazardous environment load cell cable
- 115/230 VAC or battery power supply
- I/O isolation barrier

Request drawing #45896 for available load cell options.

#### Specifications:

<b>Display:</b>	Six digits, LED; 0.6" (15.2mm), 7-segment display digits
<b>Annunciators:</b>	Center zero, Gross, Net, Motion, lb, kg
<b>Power:</b>	115/230 VAC; 50/60 Hz 6 VDC battery (optional)
<b>Load Cells:</b>	4 x 350-ohm
<b>Resolution:</b>	10,000 displayed graduations (NTEP), 80,000 expanded
<b>System Linearity:</b>	5-point linearization calibration
<b>Measurement Rate:</b>	10 updates/second
<b>Serial Ports:</b>	Port 1 (full duplex) 20mA
<b>Enclosure:</b>	NEMA 4X stainless steel
<b>Enclosure Size:</b>	9" x 6.44" x 4" (228.6mm x 163.6mm x 101.6mm)
<b>Temperature Range:</b>	14°F to 104°F (-10°C to +40°C)
<b>Warranty:</b>	One year limited warranty
<b>Approvals:</b>	NTEP certified per H-44 at 10,000 divisions, Class III/IIIL, CC# 89-023A2 FM #0Z0AZ.AX



A typical IQ 700 IS installation in a hazardous industrial area.

**Notice!** This instrument and any accompanying equipment must be installed and serviced by an authorized technician paying explicit attention to all specifications and installation instructions as outlined in the IQ 700 IS installation manual. Improper specification, installation, or service of this instrument and any accompanying equipment could result in damage to equipment, property, or personal injury.

Your Rice Lake Weighing Systems distributor is:



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