

# IQ

INTRINSICALLY SAFE

# 7001S

HAZARDOUS ENVIRONMENT  
DIGITAL WEIGHT INDICATOR



**RICE LAKE WEIGHING SYSTEMS**  
Industrial Solutions on a Global Scale®

# IQ 700 IS

## HAZARDOUS ENVIRONMENT DIGITAL WEIGHT INDICATOR

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

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



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

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 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:

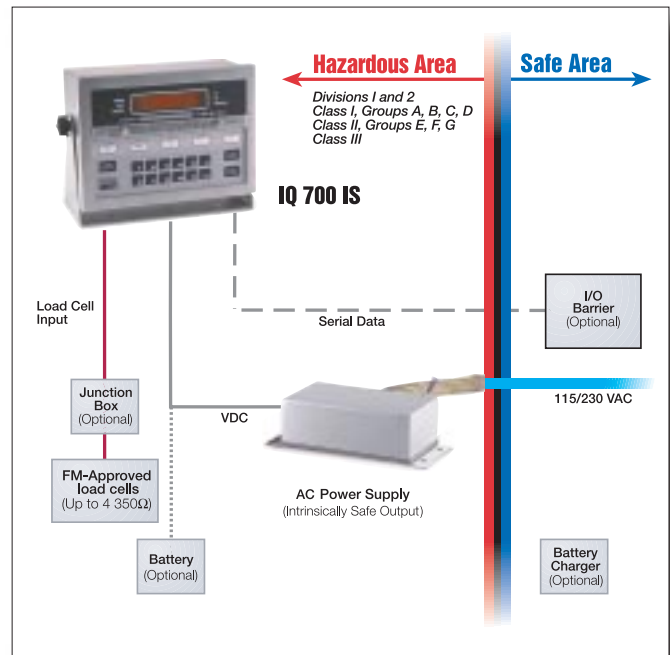
- Bright LED display
- Stainless steel NEMA 4X enclosure
- Front-panel digital calibration
- Automatic zero and span temperature compensation
- Excitation for four 350-ohm load cells at 5 VDC
- Gross/Tare/Net computation
- Time and date
- Accumulator
- 300-truck ID memory
- Tilt stand
- Setup parameters 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

#### Specifications:

Display:	Six digits, LED: 0.6" (15.2mm), 7-segment display digits
Annunciators:	Center zero, Gross, Net, Motion, lb, kg
Power:	115/230 VAC; 50/60 Hz 6 VDC battery (optional)
Load Cells:	4 x 350-ohm
Resolution:	10,000 displayed graduations (NTEP), 80,000 expanded
System Linearity:	5-point linearization calibration
Measurement Rate:	10 updates/second
Serial Ports:	Port 1 (full duplex) 20mA
Enclosure:	NEMA 4X stainless steel
Enclosure Size:	9" x 6.44" x 4" (228.6mm x 163.6mm x 101.6mm)
Temperature Range:	14°F to 104°F (-10°C to +40°C)
Warranty:	One year limited warranty
Approvals:	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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Specifications subject to change without notice