

IQ 390-DC

**BATTERY-POWERED
DIGITAL WEIGHT
INDICATOR**



RICE LAKE[®]
WEIGHING SYSTEMS
To be the best by every measure[®]



Jamieson Equipment Company
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IQ PLUS[®] 390-DC BATTERY-POWERED DIGITAL WEIGHT INDICATOR



Powerful... Portable... Affordable!

The IQ plus[®] 390-DC digital weight indicator takes portability to a new level. Running on C-cell alkaline batteries*, this handy indicator allows operation in practically any location imaginable! Topping rivals in ease of use and performance, it features battery life up to 300 hours and a configurable standby mode that conserves battery power when not in use.

Operators can't miss the IQ plus 390-DC's prominent LCD display. Showing up to six digits in unmatched clarity, its huge, on-target design makes viewing easy to reduce costly operator errors. In addition, the IQ plus 390-

DC's six-button panel eliminates the hassles of setup and operation—allowing even the most inexperienced operator to be immediately productive.

Housed in a stainless steel, NEMA 4X/IP66 enclosure, the IQ plus 390-DC is designed to outlast any digital indicator on the market. From outdoor weighing systems and portable warehouse scales, to material handling and food processing applications, its rugged construction stands up to repetitive use and environmental abuse. Additional features include a piece count mode that enables the IQ plus 390-DC to serve as part of a portable counting scale, an AC adapter for applications not requiring battery power, and RATTLETRAP[®] three-stage digital filtering for accurate weight data in environments where vibration is a concern. To ensure stability when weighing animals, choose the optional animal weighing program.

Add it all up and it's easy to see why the IQ plus 390-DC sets the standard for portable indicators. It's simply the first portable solution to deliver heavy-duty performance without a heavy-duty price.



When paired with a BenchMark[®] bench scale, the IQ plus 390-DC becomes part of a portable counting and weighing system.

Standard Features

- Large 1 inch six-digit LCD display
- Powered by six C-cell batteries for portability* or AC adapter
- Revolution[®] scale software support
- Power for (4) 350 Ω load cells or (8) 700 Ω load cells
- EDP port for full duplex, RS-232 communications
- Count mode with selectable sample size
- Three 300-character print ticket formats

Specifications

POWER

Power: 9 VDC, provided by 6 C-cell alkaline batteries* or AC adapter
Power Consumption: 25 mA typical

ANALOG SPECIFICATIONS

Full Scale Input Signal: Up to 17mV
Excitation Voltage: 5 ± 0.25 VDC, 4 x 350 Ω or 8 x 700 Ω load cells
Sense Amplifier: Differential amplifier with 4- and 6-wire sensing
Analog Signal Sensitivity: 0.3 μV/graduation minimum
 1.5 μV/grad recommended

Internal Resolution: 1,000,000 counts
Display Resolution: 100,000 d
Measurement Rate: 30, 15, 7.5, 3/sec, selectable
System Linearity: Within 0.01% of full scale
Calibration Method: Software, constants stored in EEPROM
Input Overload: ±12 V continuous, static discharge protected
Circuit Protection: RFI, EMI, ESD protection

DIGITAL SPECIFICATIONS

Digital Filter: RATTLETRAP[®] filtering technology

SERIAL COMMUNICATIONS

EDP/Printer Port: Full duplex RS-232

OPERATOR INTERFACE

Display: 1 in (25 mm) 6-digit LCD display
Annunciators: Lb, kg, PC (piece count mode), gross, net, standstill, center of zero, tare, low battery
Keyboard: 6-key flat membrane panel

ENVIRONMENTAL

Operating Temperature: -10° to 40° C/14° to 104° F (legal)
 -10° to 50° C/14° to 122° F (industrial)

ENCLOSURE

Dimensions: 9.0 in x 5.5 in x 4.1 in
 (229 mm x 140 mm x 104 mm)
 (includes battery compartment cover)
Weight: 3.2 lb (1.4 kg)
Finish: NEMA 4X/IP66, stainless steel



Approvals

*Batteries not included



CC #98-203A1
 $n_{max} = 10,000/d$
 Class III/IIIL

Measurement
 Canada Approved
 AM 5300
 $n_{max} = 20,000/d$
 Class III/IIHHD



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