

IQ 390-DC

P L U S

BATTERY-POWERED
DIGITAL WEIGHT
INDICATOR



RICE LAKE
WEIGHING SYSTEMS

To be the best by every measure®

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IQ 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.

Your Rice Lake Weighing Systems distributor is:

Interweigh Systems Inc.
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e-mail: inquiry@interweigh.ca
www.InterweighSystems.ca

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/IIIIL

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



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