

IQ

P L U S

390 - 00

BATTERY-POWERED
DIGITAL WEIGHT INDICATOR



ANOTHER **REVOLUTION**
SCALEWARE SOLUTION



RICE LAKE WEIGHING SYSTEMS
Industrial Solutions on a Global Scale®

IQ

P L U S

390-DC

BATTERY-POWERED DIGITAL WEIGHT INDICATOR

Powerful... Portable... Affordable!



The new 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 a battery life in excess of 300 hours and a unique configurable standby mode that conserves battery power.

Operators can't miss the 390-DC's prominent LCD display. Showing up to six digits in unmatched clarity, its huge, on-target design makes viewing easy—reducing costly errors. In addition, the 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, to portable warehouse scales, to material handling, to food processing applications, its rugged construction stands up to the worst abuse.

Additional features include a piece count mode that enables the IQ plus 390-DC to serve as 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.

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



Shown in count mode with a BenchMark™ bench scale

Standard Features

- Revolution™ Scaleware support
- Three 300-character print ticket formats
- Power for four 350Ω load cells or eight 700Ω load cells
- Supports 4- and 6-wire load cell connections
- EDP port for full duplex, RS-232 communications

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 350Ω or 8 x 700Ω 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
Input Impedance:	200 MΩ
Internal Resolution:	1,000,000 counts
Display Resolution:	100,000 d
Measurement Rate:	15 measurements/sec, nominal
Input Sensitivity:	155 nV per internal count
System Linearity:	Within 0.01% of full scale
Zero Stability:	155 nV/°C, maximum
Span Stability:	4.0 ppm/°C, maximum
Calibration Method:	Software, constants stored in EEPROM
Common Mode Voltage:	2.5 ± .25 VDC
Common Mode Rejection:	140 dB minimum @ 50 or 60 Hz
Normal Mode Rejection:	90 dB minimum @ 50 or 60 Hz
Input Overload:	± 12 V continuous, static discharge protected
RFI Protection:	Signal, excitation, and sense lines protected by capacitor bypass

Digital Specifications

Digital Filter:	RATTLETRAP® software filtering
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Serial Communications

EDP/Printer Port:	Full duplex RS-232
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Operator Interface

Display:	1" (25mm) 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)
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Enclosure

Dimensions:	9.0 in x 5.5 in x 4.1 in (228.6mm x 139.7mm x 103.9mm) (includes battery compartment cover)
Weight:	3.13 lb (1.42 kg)
Finish:	NEMA 4X/IP66, stainless steel



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



Your Rice Lake Weighing Systems Distributor is:

RICE LAKE WEIGHING SYSTEMS

Industrial Solutions on a Global Scale®



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Specifications subject to change without notice