

IQ

P L U S

390-DC

BATTERY-POWERED
DIGITAL WEIGHT INDICATOR



RICE LAKE WEIGHING SYSTEMS
Commitment Beyond Measurement®

IQ

P L U S

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 is part of a portable counting and weighing system.

Standard Features:

- Large 1", six-digit LCD display
- Powered by six C-cell batteries for portability*
- Revolution III[™] scale software support
- Power for four 350Ω load cells or eight 700Ω 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 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 |
| 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 |
| RFI Protection: | Signal, excitation, and sense lines protected by capacitor bypass |

Digital Specifications

| | |
|-----------------|--|
| Digital Filter: | RATTLETRAP [®] filtering technology |
|-----------------|--|

Serial Communications

| | |
|-------------------|--------------------|
| EDP/Printer Port: | Full duplex RS-232 |
|-------------------|--------------------|

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) |
|------------------------|---|

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

Measurement
Canada
Approved
AM 5300



*Batteries not included

Your Rice Lake Weighing Systems distributor is:

RICE LAKE WEIGHING SYSTEMS
Commitment Beyond Measurement[®]



230 W. Coleman St. • Rice Lake, WI 54868 • USA
TEL: 715-234-9171 • FAX: 715-234-6967 • WEB SITE: www.rlws.com

© 2003 Rice Lake Weighing Systems PN 50242 10/03
Specifications subject to change without notice