# Indicators/Remote Displays

Now Available! Livestock Weighing

Option!

### IQ plus<sup>®</sup> 390-DC **Battery Powered Digital Weight Indicator**





#### PART # DESCRIPTION

- 48815 ...... IQ plus 390-DC, Battery powered with 115 VAC wall adapter
- 50064 ...... IQ plus 390-DC, Battery powered with 230 VAC wall adapter
- 66727 ...... IQ plus 390-DC, Battery powered, CE marked (voltage adapter sold separately)

Featuring DC operation, a huge 1-inch, six-digit LCD display, and a stainless steel NEMA 4X/IP66 enclosure, the IQ plus 390-DC delivers heavy-duty performance without a heavy-duty price.

With a battery life in excess of 300 hours utilizing one load cell, the IQ plus 390-DC not only outperforms rivals but enhances productivity by reducing operator error with its easy to read display. And unlike most competitive units, the IQ plus 390-DC features a piece count mode that allows the indicator to serve as a part of a portable counting scale system. For added efficiency, it includes a configurable standby mode that saves battery life and an AC adapter for flexible operation.

The IQ plus 390-DC is encased in a stainless steel NEMA 4X/IP66 enclosure for long lasting performance regardless of environment. In addition, three 300character ticket formats are easily programmed using Revolution Scale Software. This unique Windows -based software also allows simple remote calibration and configuration of the IQ plus 390-DC.

Suitable for multi-cell applications, the IQ plus 390-DC runs on standard C-cell alkaline batteries and drives up to four 350-ohm load cells. It also incorporates RATTLE-TRAP<sup>®</sup> three-stage digital filtering that provides stable, accurate weight data regardless of the environment. A six-button panel provides simple operation, calibration, and configuration.

## Applications

- · Washdown environments
- · Portable scales
- Warehousing
- Floor and bench scales
- Agricultural
- Portable counting

## Standard Features

- NEMA 4X/IP66-rated stainless steel enclosure
- Large 1" (24.5mm), six-digit Liquid Crystal Display (LCD)
- 6-button operation
- Power for four  $350\Omega$  load cells or eight  $700\Omega$  load cells
- · Configurable units multiplier
- Supports 4- and 6-wire load cell connections
- EDP port for full duplex, RS-232 communications
- Powered by 6 "C" cell alkaline batteries for complete portability (batteries not included)
- AC adapter for 115 or 230 VAC power
- · Configurable standby mode that saves battery life
- RATTLETRAP<sup>®</sup> three-stage digital filtering
- · Piece count mode

### **Options/Accessories**

65738 ..... Livestock weighing program, AW 1.02 46030 ..... Revolution<sup>™</sup> Scale Software 48820 ..... Additional operating manual



(Specifications on back)

## IQ plus 390-DC

POWER: 9 VDC, provided by 6 "C" cell alkaline batteries or AC adapter **POWER CONSUMPTION:** 100 mA (using 4 x 350  $\Omega$  load cells), 25 mA typical (1 load cell) FULL SCALE INPUT SIGNAL: Up to 17mV **EXCITATION VOLTAGE:**  $5 \pm 0.25$  VDC,  $4 \times 350\Omega$  or  $8 \times 700\Omega$  load cells SENSE AMPLIFIER: Differential amplifier with 4- and 6-wire sensing **INPUT RANGE:** -2.5 mV - 22.5 mV or -.5 mV/V - 4.5 mV/V SENSITIVITY: 0.3 µV/graduation minimum 1.5 µV/grad recommended **INPUT IMPEDANCE:**  $200 M\Omega$ **INTERNAL RESOLUTION:** 1,000,000 counts **DISPLAY RESOLUTION:** 100,000dd MEASUREMENT RATE: 30, 15, 7 1/2, 3 3/4 per second 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

INPUT OVERLOAD:

 $\pm$  12 V continuous, static discharge protected

#### DIGITAL SPECIFICATIONS:

Digital Filter: RATTLETRAP® software filtering

#### SERIAL COMMUNICATIONS:

EDP/Printer Port: Full Duplex RS-232

#### **OPERATOR INTERFACE:**

Display: 1" (24.5mm) 6-digit Liquid Crystal Display (LCD) Annunciators: Lb, Kg, PC (piece count mode), gross, net, standstill, center of zero, tare, low battery Keyboard: 6-key flat membrane panel

#### **OPERATING TEMPERATURE:**

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

#### WEIGHT:

3.13 lb (1.42 kg)

RATING/MATERIAL:

NEMA 4X/IP66, stainless steel

#### APPROVALS:

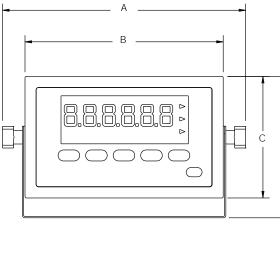
NTEP certified, per H-44, Class III/IIIL, CC# 98-203A1 Measurement Canada approved, AM-5300, Class III/IIIHD, III at 10,000 Divisions and IIIHD at 20,000 Divisions; CE pending, UL & CUL listed

#### WARRANTY:

Two year limited warranty

#### DIMENSIONS

A =	11.04"	(280.4mm)	E =	1.62"	(41.1mm)
B =	9.0"	(228.6mm)	F =	3.24"	(82.3mm)
C =	5.52"	(140.2mm)	G =	4.09"	(103.9mm)
D =	6.42"	(163.1mm)	H =	3.0"	(76.2mm)



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