

# IQ plus® 390-DC

# Battery Powered Digital Weight Indicator



## STANDARD FEATURES

- NEMA 4X/IP66-rated stainless steel enclosure
- Large 1 in (24.5mm), six-digit Liquid Crystal Display (LCD)
- Six button operation
- Power for four 350Ω load cells or eight 700Ω 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 230VAC power
- Configurable standby mode that saves battery life
- RATTLETRAP® three-stage digital filtering
- Piece count mode

## APPROVALS



## SPECIFICATIONS

### POWER:

9VDC, provided by 6 "C" cell alkaline batteries or AC adapter  
Power consumption: (Estimated battery life)  
100mA (100 hours with 4 x 350Ω load cells),  
25mA typical (300 hours with 1 load cell)

### EXCITATION VOLTAGE:

5VDC, 4 x 350Ω or 8 x 700Ω load cells

### ANALOG SIGNAL INPUT RANGE:

-2.5mV – 22.5mV or -5mV/V – 4.5mV/V

### ANALOG SIGNAL SENSITIVITY:

0.3μV/graduation minimum  
1.5μV/grad recommended

### RESOLUTION:

Internal resolution: 1 million counts  
Display resolution: 100,000dd  
Counting capacity: 100,000

### MEASUREMENT RATE:

30, 15, 7 1/2, 3 3/4 per second

### SYSTEM LINEARITY:

Within 0.01% of full scale

### SERIAL COMMUNICATIONS:

EDP/Printer port: Full duplex RS-232

### DISPLAY:

1.0in (24.5mm) 6-digit Liquid Crystal Display (LCD), 7 segment, digits

### CIRCUIT PROTECTION:

RFI, EMI, ESD protection

### STATUS ANNUNCIATORS:

Designators for: center of zero, standstill, gross, net, lb, kg, piece count

### KEYBOARD:

6-key flat membrane panel, tactile feel

### OPERATING TEMPERATURE:

Legal: 14°F to 104°F (-10°C to 40°C)  
Industrial: 14°F to 122°F (-10°C to 50°C)

### WEIGHT:

3lb (1.4kg)

### RATING/MATERIAL:

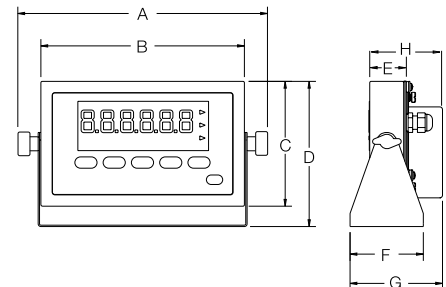
NEMA 4X/IP66, stainless steel

### APPROVALS:

NTEP-at 10,000 divisions,  
Class III/IIIL, CC# 98-203A2  
Measurement Canada approved, AM-5300,  
Class III/IIHD, III at 10,000 Divisions and IIIHD at  
20,000 Divisions  
CE marked  
UL & CUL listed

### WARRANTY:

Two-year limited warranty



DIMENSIONS			
<b>A</b>	11.04 in (280.4 mm)	<b>E</b>	1.62 in (41.1 mm)
<b>B</b>	9.0 in (228.6 mm)	<b>F</b>	3.24 in (82.3 mm)
<b>C</b>	5.52 in (140.2 mm)	<b>G</b>	4.09 in (103.9 mm)
<b>D</b>	6.42 in (163.1 mm)	<b>H</b>	3.0 in (76.2 mm)

<b>PART #</b>	<b>DESCRIPTION</b>	<b>EST. SHIP WEIGHT</b>
48815.....	IQ plus 390-DC, battery powered with 115 VAC wall adapter†	6 lb
50064.....	IQ plus 390-DC battery powered with 230 VAC wall adapter††	6 lb
66727.....	IQ plus 390-DC, CE marked (voltage adapter sold separately)	6 lb

**OPTIONS/ACCESSORIES**

65738 .....	Livestock weighing option, AW 1.02 (not NTEP Certified).....	
77925.....	Revolution™ III scale software*.....	
48820 .....	Additional operating manual.....	
83565.....	Clear protective overlay (package of five).....	
92777.....	Filter, PreVent™ vent kit.....	

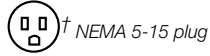
**Primary Component Parts**

49978.....	Power supply, 115 VAC.....	
49977.....	Power supply, 230 VAC (2-pin Europe) .....	
48790.....	Overlay membrane panel .....	
49954.....	Board assembly.....	

\* Revolution III can be downloaded for FREE at [www.ricelake.com](http://www.ricelake.com)



†† CEE 7/7 plug



† NEMA 5-15 plug