

# IQ plus® 390-DC

Battery Powered Digital Weight Indicator

## Specifications

### Power:

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

### Excitation Voltage:

5 VDC, 4 x 350Ω or 8 x 700Ω load cells

### Analog Signal Input Range:

-2.5 mV – 22.5 mV or -5 mV/V – 4.5 mV/V

### Analog Signal Sensitivity:

0.3 μV/graduation minimum  
 1.5 μV/grad recommended

### Resolution:

Internal resolution: 1 million counts  
 Display resolution: 100,000d  
 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:

1.0 in (24.5 mm) 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:

3 lb (1.4 kg)

### Rating/Material:

NEMA Type 4X/IP66, stainless steel

### Warranty:

Two-year limited warranty

### Approvals:

NTEP CC 98-203, Class III/IIIL 10,000d  
 Measurement Canada AM-5300, Class IIII 10,000d and IIIHD 20,000d  
 CE marked  
 UL & CUL listed



## APPROVALS



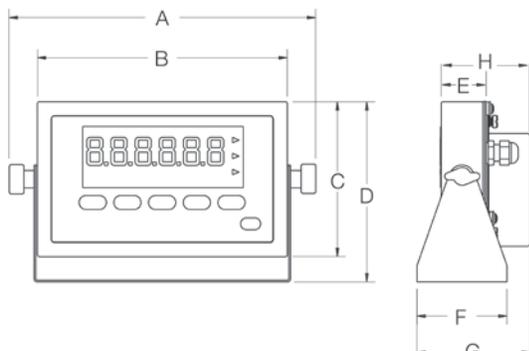
Measurement  
Canada  
Approved



## Standard Features

- NEMA Type 4X/IP66-rated stainless steel enclosure
- LCD display, 1 in (24.5 mm), 6-digit, 7-segment
- S6 button operation
- Power for four 350 ohms load cells or eight 700 ohms 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® 3-stage digital filtering
- Piece count mode
- Configurable with Revolution® software

DIMENSIONS			
A	11.04 in (280 mm)	E	1.62 in (41 mm)
B	9.0 in (228 mm)	F	3.24 in (82 mm)
C	5.52 in (140 mm)	G	4.09 in (104.9 mm)
D	6.42 in (163 mm)	H	3.0 in (76 mm)



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Battery Powered Digital Weight Indicator

## Part Number/Price

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
48815 †	IQ plus 390-DC battery powered with 115 VAC wall adapter	6 lb	Consult
50064 ††	IQ plus 390-DC battery powered with 230 VAC wall adapter	6 lb	Consult
66727	IQ plus 390-DC CE marked (voltage adapter sold separately)	6 lb	Consult
53629 †	IQ plus 390-DC with 115 VAC wall adapter with quick connect	6 lb	Consult
53634 ††	IQ plus 390-DC with 230 VAC wall adapter with quick connect	6 lb	Consult

## Options/Accessories

PART #	DESCRIPTION	PRICE
65738	Livestock weighing option, AW 1.02 (non-NTEP Certified)	Consult
77925*	Revolution® scale software	Consult
48820	Additional operating manual	Consult
92777	Filter, PreVent™ vent kit	Consult
91895	Quick connect, female connector and cable, 17 in (Required cable 53640)	Consult
53640	Quick connect, male connector and cable, 20 ft (Required cable 53640)	Consult
<b>Primary Component Parts</b>		
49978	Power supply, 115 VAC	Consult
130185	Power supply, 230 VAC (2-Pin Europe)	Consult
48790	Overlay membrane panel	Consult
49954	Board assembly	Consult

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



†† CEE 7/7 plug



† NEMA Type 5-15 plug