

## IQ plus® 390-DC Battery Powered Digital Weight Indicator



### Approvals



### Standard Features

- NEMA 4X/IP66-rated stainless steel enclosure
- Large 1" (24.5 mm), six-digit Liquid Crystal Display (LCD)
- 6-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 230 VAC power
- Configurable standby mode that saves battery life
- RATTLETRAP® three-stage digital filtering
- Piece count mode

### 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:  
 100,000dd  
 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:

1.0" (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:

3 lb (1.4 kg)

#### RATING/MATERIAL:

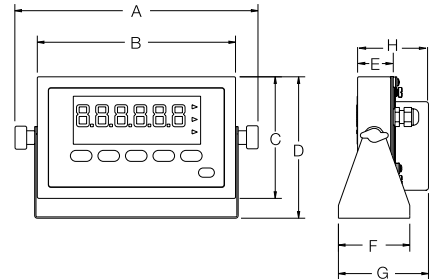
NEMA 4X/IP66, stainless steel

#### APPROVALS:

NTEP-at 10,000 divisions,  
 Class III/IIIL, CC# 98-203A1  
 Measurement Canada approved,  
 AM-5300, Class III/IIHHD, III at  
 10,000 Divisions and IIIHD at 20,000  
 Divisions;  
 CE marked  
 UL & CUL listed

#### WARRANTY:

Two-year limited warranty



### DIMENSIONS

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

# IQ plus® 390-DC

Indicators

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
48815	IQ plus 390-DC, battery powered with 115 VAC wall adapter <sup>†</sup>	6.0 lb	\$675.00
50064	IQ plus 390-DC battery powered with 230 VAC wall adapter <sup>††</sup>	6.0 lb	675.00
66727	IQ plus 390-DC, CE marked (voltage adapter sold separately)	6.0 lb	650.00
<b>Options/Accessories</b>			
65738	Livestock weighing option, AW 1.02 (not NTEP-certified)		95.00
77925	Revolution™ III scale software*		35.00
48820	Additional operating manual		25.00
83565	Clear protective overlay (package of five)		50.00
92777	Filter, PreVent™ vent kit		25.00
<b>Primary Component Parts</b>			
49978	Power supply, 115 VAC		16.00
49977	Power supply, 230 VAC (2-pin Europe)		26.00
48790	Overlay membrane panel		53.00
49954	Board assembly		445.00

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



<sup>††</sup>CEE 7/7 plug



<sup>†</sup>NEMA 5-15 plug