

# Instrumentation/Process Control

## IQ plus® 390-DC

## Battery Powered Digital Weight Indicator



### STANDARD FEATURES

- NEMA 4X/IP66-rated stainless steel enclosure
- Large 1in (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:

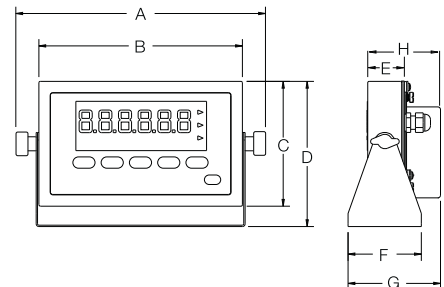
NEMA 4X/IP66, stainless steel

#### APPROVALS:

NTEP-at 10,000 divisions,  
 Class III/III.L, CC# 98-203A2  
 Measurement Canada approved, AM-5300,  
 Class III/IIIHD, 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)