

IQ plus® 590-DC

Battery Powered Digital Weight Indicator

Specifications

Power:

9 VDC, provided by 6 C-cell alkaline batteries or AC adapter

Power Consumption:

100 mA (100 hours with 4 load cells)
25 mA (300 hours with 1 load cell)

Excitation Voltage:

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

Analog Signal Input Range:

-2.5 mV – 22.5 mV

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 pieces

Measurement Rate:

30, 15, 7 1/2, 33/4 per second

System Linearity:

Within 0.01% of full scale

Serial Communications:

EDP/Printer port: Full duplex RS-232

Display:

1 in (24.5 mm) 6-digit Liquid Crystal Display (LCD)

Circuit Protection:

RFI, EMI, ESD protection

Annunciators:

Units (lb/kg), piece count mode (PC), gross, net, standstill, center of zero, tare, low battery

Keyboard:

19-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:

6.5 lb (2.95 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 III 10,000d, Class IIIHD 20,000d
CE marked
UL & C-UL listed



APPROVALS

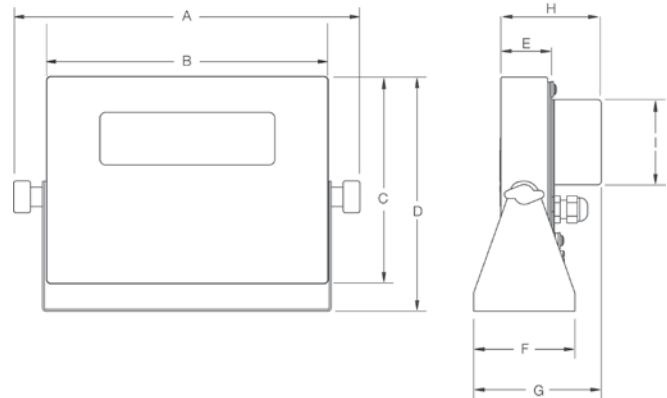


Measurement
Canada
Approved



Standard Features

- Full numeric keypad
- Keyboard entry of piece weight, tare weight, calibration and sample size
- Display tare button
- Powered by 6 C cell alkaline batteries for complete portability (batteries not included)
- (3) 300-character print ticket formats
- Power for (4) 350 ohm load cells or (8) 700 ohm load cells
- Supports 4- and 6-wire load cell connections
- EDP port for full duplex, RS-232 communications
- NEMA Type 4X/IP66-rated stainless steel enclosure
- LCD display, 1 in (24.5 mm), 6-digit
- AC adapter for 115 or 230 VAC power
- Configurable standby mode to prolong battery life
- RATTLETRAP® 3-stage digital filtering
- Configurable units multiplier
- Configurable analog-to-digital measurement rate
- Self-resetting thermal fuse
- Configurable with Revolution® software



DIMENSIONS

A	11.0 in (280 mm)	F	3.2 in (82 mm)
B	9.0 in (229 mm)	G	4.1 in (104 mm)
C	6.5 in (166 mm)	H	2.9 in (73 mm)
D	7.5 in (190 mm)	I	2.9 in (73 mm)
E	1.6 in (41 mm)		

IQ plus® 590-DC

Battery Powered Digital Weight Indicator

Part Number/Price

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
52486 †	IQ plus 590-DC, battery powered w/115 VAC wall adapter	6.5 lb	Consult
52485 ††	IQ plus 590-DC battery powered w/230 VAC wall adapter	6.5 lb	Consult
66728	IQ plus 590-DC, CE marked (voltage adapter sold separately)	6.5 lb	Consult
53630 †	IQ plus 590-DC with 115 VAC wall adapter with quick connect (requires 53640 cable)	6.5 lb	Consult
53633 ††	IQ plus 590-DC with 230 VAC wall adapter with quick connect (requires 53640 cable)	6.5 lb	Consult



†† CEE 7/7 plug



† NEMA 5-15 plug

Options/Accessories

PART #	DESCRIPTION	PRICE
77925*	Revolution® scale software	Consult
51778	Additional operating manual	Consult
83566	Clear protective overlay (package of 5)	Consult
92777	Filter, PreVent™ vent kit	Consult
91895	Quick Connect, female connector and cable, 17 in	Consult
53640	Quick Connect, male connector and cable, 20 ft	Consult
Primary Component Parts		
49978	Power supply, 115 VAC	Consult
130185	Power supply, 230 VAC (2-Pin Europe)	Consult
51972	Overlay membrane panel	Consult
52469	Board assembly	Consult

* Revolution can be downloaded for free at www.ricelake.com