



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)
- Three 300-character print ticket formats
- Power for four 350Ω load cells or eight 700Ω load cells
- Supports 4- and 6-wire load cell connections
- EDP port for full duplex, RS-232 communications
- NEMA 4X/IP66-rated stainless steel enclosure
- Large 1 in (24.5 mm), six-digit Liquid Crystal Display (LCD)
- AC adapter for 115 or 230VAC power
- Configurable standby mode to prolong battery life
- RATTLETRAP® three-stage digital filtering
- Configurable units multiplier
- Configurable analog-to-digital measurement rate
- Self-resetting thermal fuse

APPROVALS



SPECIFICATIONS

POWER:

9VDC, 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:

5VDC, 4 x 350Ω or 8 x 700Ω 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: 100,000 dd

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 4X/IP66, stainless steel

APPROVALS:

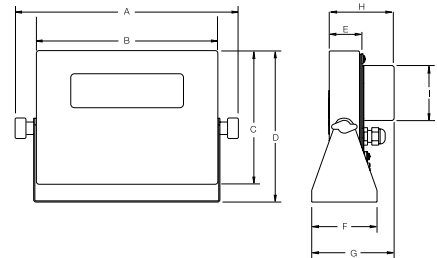
NTEP - certified at 10,000 Divisions, Class III/III_L, CC# 98-203A2;

Measurement Canada approved, AM-5300, Class III at 10,000 Divisions, Class III_{HD} at 20,000 Divisions;

CE marked,
UL & C-UL listed

WARRANTY:

Two-year limited warranty



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)		

PART #	DESCRIPTION	EST. SHIP WEIGHT
52486.....	IQ plus 590-DC, battery powered w/115VAC wall adapter†	6.5lb
52485.....	IQ plus 590-DC battery powered w/230VAC wall adapter††	6.5lb
66728.....	IQ plus 590-DC, CE marked (voltage adapter sold separately)	6.5lb

OPTIONS/ACCESSORIES

77925.....	Revolution™ III scale software*	
51778.....	Additional operating manual.....	
83566.....	Clear protective overlay (package of five).....	
92777.....	Filter, PreVent™ vent kit.....	

Primary Component Parts

49978.....	Power supply, 115VAC	
49977.....	Power supply, 230VAC (2-pin Europe)	
51972.....	Overlay membrane panel	
52469.....	Board assembly.....	

* Revolution III can be downloaded for FREE at www.ricelake.com

