

IQ plus® 355

Digital Weight Indicator



STANDARD FEATURES

- Large .8in (20.3mm) Light Emitting Diode (LED) Display
- Configurable analog to digital measurement rate
- Power for eight 350Ω load cells or 16, 700Ω load cells
- Primary/secondary units configuration: lb, kg, ounces, short tons, metric tons, grams or none
- Nema 4X/IP66 stainless steel washdown enclosure
- Five button operation
- Two independent communication ports: (1) full duplex, (1) unidirectional or active 20mA current loop
- Standardized EDP command sets
- Programmable ticket formats up to two 300-character printouts
- Full front-panel digital calibration and configuration
- Universal mounting stand
- Three-stage digital filtering
- Consecutive transaction numbering
- Two digital inputs

APPROVALS



SPECIFICATIONS

POWER:

Line voltages: 115 or 230VAC
 Frequency: 50 or 60Hz
 Power consumption: 70mA @ 115VAC (8W)
 35mA @ 230VAC (8W)

EXCITATION VOLTAGE:

10VDC, 8 x 350Ω or 16 x 700Ω load cells

ANALOG SIGNAL INPUT RANGE:

-0.6mV/V - 4.5mV/V

ANALOG SIGNAL SENSITIVITY:

0.3μV/graduation minimum,
 1.5μV/grad recommended

RESOLUTION:

Internal resolution: 308,000 internal graduations
 Display resolution: 100,000 displayed graduations

MEASUREMENT RATE:

30, 15, 7 1/2, 3 3/4 per second

SYSTEM LINEARITY:

Within 0.01% of full scale

DIGITAL INPUTS:

2 inputs with 8 functions to select from

CIRCUIT PROTECTION:

ESD, EMI, RFI protection

SERIAL OUTPUT:

EDP port: Full duplex RS-232
 Printer port: Output-only RS-232 or active 20mA current loop
 Both ports: 9600, 4800, 2400, 1200, 600, 300 bps; 7 or 8 data bits; even, odd or no parity

DISPLAY:

0.8in (20mm), 6-digit Super Red Light Emitting Diode (LED) display, 7-segment, digits

STATUS ANNUNCIATORS:

Designators for: center of zero, stand still, gross, net center of zero, standstill, lb, kg, oz, g

KEYBOARD:

5-key flat membrane panel, tactile feel

OPERATING TEMPERATURE:

(Legal) -10°C to 40°C/14°F to 104°F
 (Industrial) -10°C to 50°C/14°F to 122°F

WEIGHT:

6.4lb (2.9kg)

RATING/MATERIAL:

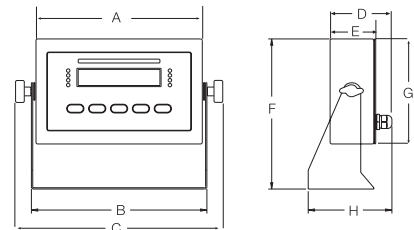
Enclosure: NEMA 4X/IP66, heavy gauge stainless steel

APPROVALS:

NTEP - at 10,000 Divisions, Class III/IIIL, CC# 97-130, A2,
 Measurement Canada approved, AM-5213, Class III/IIILHD at 10,000 Divisions
 OIML approved, TC6008; T5692
 UL & C-UL listed
 CE marked

WARRANTY:

Two-year limited warranty



DIMENSIONS

A	9.50 in (241.3mm)	E	2.75 in (69.9mm)
B	10.02 in (254.5mm)	F	8.57 in (217.7mm)
C	11.80 in (299.7mm)	G	6.00 in (152.4mm)
D	3.67 in (93.2mm)	H	3.85 in (97.8mm)

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PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
51968.....	IQ plus 355, 115 VAC†.....	10 lb	Consult factory
66729.....	IQ plus 355, 230 VAC, CE marked/OIML approved††	10 lb	Consult factory
53241.....	IQ plus 355, uncased, 115 VAC†.....	4 lb	Consult factory
91803.....	IQ plus 355 with analog output, 115 VAC†	10 lb	Consult factory
53631.....	IQ plus 355 with quick connect, 115 VAC†.....	10 lb	Consult factory
53632.....	IQ plus 355 with quick connect, 230 VAC††.....	10 lb	Consult factory

OPTIONS/ACCESSORIES

43381.....	Analog output: selectable 0-10V, 4-20 mA		Consult factory
112986.....	Wireless LAN board 802.11 B/G.....		Consult factory
52948.....	Panel mount kit**		Consult factory
77925.....	Revolution™ III scale software*		Consult factory
66503.....	Additional operating manual.....		Consult factory
83564.....	Clear protective overlay (package of five).....		Consult factory
92777.....	Filter, PreVent™ vent kit.....		Consult factory
91895.....	Quick Connect, female connector and cable, 17 inch		Consult factory
53640.....	Quick Connect, male connector and cable, 20 feet.....		Consult factory

Primary Component Parts

52211.....	Board assembly, 115 VAC.....		Consult factory
52210.....	Board assembly, 230 VAC.....		Consult factory
50556.....	Overlay membrane panel		Consult factory
53848.....	200 mA TR5 subminiature fuses, 115 VAC.....		Consult factory
53881.....	100 mA TR5 subminiature fuses, 230 VAC.....		Consult factory

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

** Panel mount kit is not NEMA rated

