

IQ plus® 355 Digital Weight Indicator



Standard Features

- Large .8" (20.3 mm) 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
- 5-button operation
- Two independent communication ports: (1) full duplex, (1) unidirectional or active 20 mA 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 230 VAC
Frequency:
50 or 60 Hz

Power consumption:
70 mA @ 115 VAC (8W)
35 mA @ 230 VAC (8W)

EXCITATION VOLTAGE:

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

ANALOG SIGNAL INPUT RANGE:

-0.6 mV/V - 4.5 mV/V

ANALOG SIGNAL SENSITIVITY:

0.3 μV/graduation minimum,
1.5 μV/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 20 mA current loop

Both ports:
9600, 4800, 2400, 1200, 600, 300 bps; 7 or 8 data bits; even, odd or no parity

DISPLAY:

0.8" (20 mm), 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:

6.4 lb (2.9 kg)

RATING/MATERIAL:

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

APPROVALS:

NTEP - at 10,000 Divisions, Class III/IIIL, CC# 97-130;
Measurement Canada approved, AM-5213, Class III/IIIIHD at 10,000 Divisions;

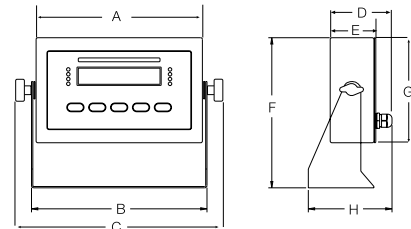
OIML approved, TC6008; T5692

UL & C-UL listed;

CE marked

WARRANTY:

Two-year limited warranty



DIMENSIONS

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

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
51968	IQ plus 355, 115 VAC [†]	10 lb	\$550.00
66729	IQ plus 355, 230 VAC, CE marked/OIML approved ^{††}	10 lb	550.00
53241	IQ plus 355, uncased, 115 VAC [†]	4 lb	475.00
91803	IQ plus 355 with analog output, 115 VAC [†]	10 lb	850.00
53631	IQ plus 355 with quick connect, 115 VAC [†]	10 lb	595.00
53632	IQ plus 355 with quick connect, 230 VAC ^{††}	10 lb	595.00
Options/Accessories			
98514	Analog output: selectable 0-10V, 4-20mA		300.00
52948	Panel mount kit**		79.00
77925	Revolution™ III scale software*		35.00
66503	Additional operating manual		25.00
83564	Clear protective overlay (package of five)		50.00
92777	Filter, PreVent™ vent kit		25.00
Primary Component Parts			
52211	Board assembly, 115 VAC		415.00
52210	Board assembly, 230 VAC		415.00
50556	Overlay membrane panel		48.00
53848	200 mA TR5 subminiature fuses, 115 VAC		3.15
53881	100 mA TR5 subminiature fuses, 230 VAC		3.15

* Revolution III can be downloaded for FREE at www.ricelake.com
 ** Panel mount kit is not NEMA rated

