

IQ 700

Digital Weight Indicator



APPROVALS



Measurement
Canada
Approved

SPECIFICATIONS

EXCITATION VOLTAGE:

10VDC, fixed, short-circuit proof
Load cell current: 240mA maximum
(8 x 350Ω load cells)

ANALOG SIGNAL INPUT RANGE:

-0.6mV/V - 3.33mV/V

ANALOG SENSITIVITY:

0.3 microvolts/graduation minimum

CONVERSION RATE

AT FULL SCALE:

10 updates per second, typical

RESOLUTION:

80,000 displayed graduations 100,000
internal graduations

DISPLAY:

Six red Light Emitting Diode (LED) digits,
0.6in (15.2mm)

KEYBOARD:

21 key overlay; pushbutton switches

* Floating ground may require isolation

FRONT-PANEL CONTROL

SWITCHES:

Zero, Gross/Net, Auto Tare, lb/kg conversion,
Print, Tare Recall, SP1, SP2 and Data Entry Keys

FRONT-PANEL ANNUNCIATORS:

Center Zero, Net, Gross, lb, kg and Motion (LED)

SERIAL OUTPUTS:

Port 1: Bidirectional RS-232* or 20mA.
Port 2: Simplex RS-232* or 20mA current loop;
truck IN/OUT only on port 2

SETPOINTS:

2 bi-polar setpoint outputs, TTL compatible
equipped with "zero band" which operates
at a programmable number of graduations
around zero

POWER:

Power input: 115VAC at 20 watts at 50/60Hz
(Optional 230VAC, 50Hz)
Power consumption: 20 watts typical

OPERATING TEMPERATURE:

Legal: 14°F to 104°F (-10°C to 40°C)

RATING/MATERIAL:

NEMA 4X stainless steel

WEIGHT:

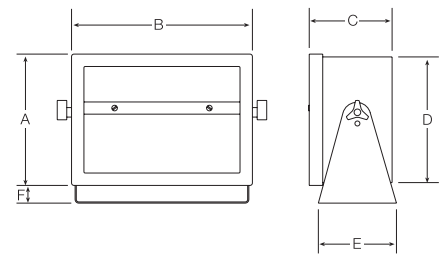
9.5lb (4.3kg)

APPROVALS:

NTEP - certified at 10,000 Divisions,
Class III/III.L, CC# 89-023A2
Measurement Canada approved, S.WA-4131

WARRANTY:

Two-year limited warranty



DIMENSIONS			
A	6.62 in (168 mm)	D	6.34 in (161 mm)
B	9.12 in (231 mm)	E	3.94 in (100 mm)
C	4.18 in (106 mm)	F	0.90 in (22 mm)

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PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
19191	IQ 700 LED display, 115 VAC†	14 lb	Consult factory
34752	IQ 700 LED display, 230 VAC†	14 lb	Consult factory

OPTIONS/ACCESSORIES

30352	KBT7116-5 Panel mount kit*		Consult factory
15959	Unlatched dry contact 4-relay board		Consult factory
19576	BCD output (external)		Consult factory
19578	Analog output, 0-10VDC or 4-20 mA (external mount)		Consult factory
22922	Analog output, 0-10VDC or 4-20 mA (internal mount)		Consult factory
55660	Analog output, 0-10VDC or 4-20 mA (internal mount, 16-bit new version)		Consult factory
55662	Combination relay and analog board		Consult factory
16815	Technical manual		Consult factory
16821	Additional installation manual		Consult factory

Primary Component Parts

19571	CPU board, 115 VAC		Consult factory
19601	CPU board, 230 VAC		Consult factory
56897	Surge suppressor board		Consult factory
19573	LED display board		Consult factory
19404	Overlay front panel		Consult factory
19539	Overlay red display		Consult factory
16444	250 mA fuse		Consult factory
92777	Filter, Gortex vent kit		Consult factory

* Panel mount kit is not NEMA rated

