

IQ 700

Digital Weight Indicator



STANDARD FEATURES

- Bright Light Emitting Diode (LED) display
- AC power
- Stainless steel NEMA 4X enclosure
- Front panel digital calibration
- Automatic zero and span temperature compensation
- Excitation for eight 350 load cells at 10VDC
- Two fully programmable setpoints with "ZeroBand"
- Two serial ports offering bidirectional RS-232 and simplex RS-232 or 20mA current loop
- Gross/Tare/Net computation
- Time and date
- Accumulator
- 300-truck ID memory
- Versatile tilt stand
- Setup parameters printout

APPROVALS



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

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:

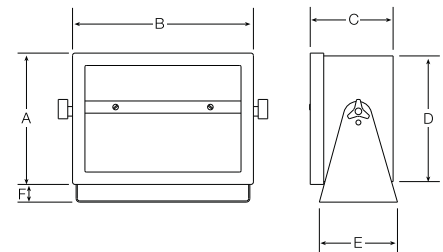
9.5lb (4.3kg)

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)

* Floating ground may require isolation