

Specifications

Power:

Line voltages: 115 or 230VAC
 Frequency: 50/60 Hz
 Power consumption: 25W maximum

Excitation Voltage:

5VDC
 Load current: 115 mA maximum (8 x 350Ω load cells)

Analog Signal Input Range:

0.5 mV/V - 3.5 mV/V

Analog Signal Sensitivity:

0.3 mV/V/graduations minimum

A/D Sample Rate:

7.5 to 60 Hz software selectable

Resolution:

Internal: Eight million counts
 Display: Selectable up to 100,000d

System Linearity / PI Rating:

Within 0.01% of FS

Digital I/O:

Two inputs, TTL or switch closure, active low
 Two outputs, 250mA max sink

Circuit Protection:

ESD, EMI, RFI protected

Communication Ports:

Printer port: RS-232 full duplex 20mA simplex
 EDP Port: RS-232 full duplex
 Baud rates: 300 to 38,400 seven or eight data bits;
 even, odd or no parity

Status Annunciators:

Tare, entered tare, standstill, net, gross, center of zero,
 minus sign, lb, kg

Display:

2 in (50 mm) LED Display,
 Decimal point available at each digit

Keys/Buttons:

Five-button rubber-booted watertight switches

Temperature Range

Operating: 14°F to 104°F (-10°C to 40°C)

Rating/Material:

NEMA Type 4X FRP

Weight:

Approximately 18 lb (8.2 kg)

Warranty:

Two-year limited warranty

Approvals:

NTEP CC 04-076, Class III/IIIL 10,000d
 Measurement Canada AM-5554, Class III/IIHD
 10,000d



Standard Features

- NEMA Type 4X fiberglass-reinforced polyester (FRP) enclosure
- LED display, 2 in
- Universal mounting tabs (replaceable)
- Up to 60 updates/second
- Selectable display update rate
- Five-button operation, environmentally protected mechanical switches
- Two communication ports, full duplex RS-232
- RATTLETRAP® vibration control
- Configurable with Revolution® software

Approvals



Measurement
 Canada
 Approved

Part Number/Price

Part #	Description	Est. Weight	Price
87959 †	SURVIVOR 420HE 115 VAC	18 lb	Consult
87960 †	SURVIVOR 420HE 230 VAC	18 lb	Consult

Options/Accessories

Part #	Description	Price
30911	Additional mounting tabs (set of 4)	Consult
92777	Filter, PreVent™ vent kit	Consult
87972	Additional operating manual	Consult

Primary Component Parts

87958	Board assembly, CPU	Consult
72996	AC power supply	Consult
87808	Board display, 2 in LED	Consult
87971	Switch assembly, six push button	Consult
87968	Front panel overlay	Consult



Dimensions

A	12.50 in (318 mm)	D	14.94 in (379 mm)
B	10.50 in (267 mm)	E	10.00 in (254 mm)
C	8.28 in (210 mm)		

