

SURVIVOR® 420HE

Hostile Environment Digital Weight Indicators

Specifications

Excitation Voltage:

5VDC

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

Analog Signal Input Range:

0.5 mV/V - 3.5 microvolts/V

Analog Signal Sensitivity:

0.3 mV/V/graduations minimum

Measurement Rate:

60,30,15,7 1/2 updates second

System Linearity:

Within 0.01% of FS

Resolution:

Internal resolution: 8 million counts

Display resolution: Selectable up to 100,000dd

Display:

2 in (50 mm) LED Display,

Decimal point available at each digit

Status Annunciators:

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

Front-Panel:

5-button rubber-booted watertight switches

Circuit Protection:

ESD, EMI, RFI protected

Serial Output:

Printer port: RS-232 full duplex 20 mA simplex

EDP Port: RS-232 full duplex

Baud rates: 300 to 38,400 7 or 8 data bits; even, odd or no parity

Power:

Line voltages: 115 or 230VAC

Frequency: 50/60 Hz

Power consumption: 25W maximum

Digital Inputs:

2 inputs, TTL or switch closure, active low

Digital Outputs:

2 outputs, 250 mA max sink

Operating Temperatures:

14°F to 104°F (-10°C to 40°C)

Rating/Material:

NEMA 4X FRP

Weight:

Approximately 18 lb (8.2 kg)

Warranty:

Two-year limited warranty

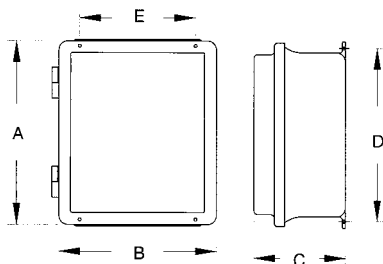
Approvals:

NTEP CC 04-076, Class III/IIIL 10,000d

Measurement Canada AM-5554, Class III/IIHD 10,000d

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)		



APPROVALS



Measurement
Canada
Approved

Standard Features

- NEMA 4X Fiberglass-Reinforced Polyester (FRP) enclosure
- Bright, 2 in LED display
- 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

Part Number/Price

PART #	DESCRIPTION	WEIGHT	PRICE
87959 †	SURVIVOR 420HE 115VAC	18 lb	Consult
87960 †	SURVIVOR 420HE 230VAC	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, 6 push button	Consult
87968	Front panel overlay	Consult



† NEMA 5-15 plug