

**SURVIVOR® 420HE** Hostile Environment Digital Weight Indicators**APPROVALS**

Measurement  
Canada  
Approved

**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 mV/V

**Analog Signal Sensitivity:**

0.3 microvolts/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

**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

**Status Annunciators:**

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

**Front-Panel:**

5-button rubber-booted SURVIVOR®  
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)

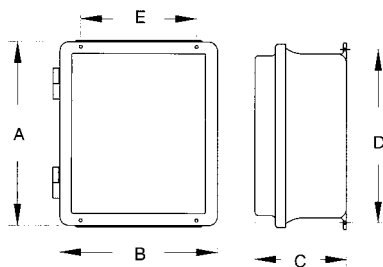
**Warranty:**

Two-year limited warranty

**Approvals:**

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

Measurement Canada AM-5554

**DIMENSIONS**

A	12.50 in (317.5 mm)	D	14.94 in (379.4 mm)
B	10.50 in (266.7 mm)	E	10.00 in (254 mm)
C	8.28 in (210.3 mm)		

**SURVIVOR® 420HE** Hostile Environment Digital Weight Indicators**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
<b>Primary Component Parts</b>		
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