

## SURVIVOR® 420HE

Hostile Environment Digital Weight Indicators



### Standard Features

- NEMA 4X Fibreglas-Reinforced Polyester (FRP) enclosure
- Bright, 2" LED display
- Universal mounting tabs (replaceable)
- Up to 60 updates/second
- Selectable display update rate
- 5-button operation, environmentally protected mechanical switches
- Two communication ports, full duplex RS-232
- RATTLETRAP® vibration control

### Approvals



Measurement  
Canada  
Approved

### Specifications

#### EXCITATION VOLTAGE:

5 VDC  
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 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" (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 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 230 VAC  
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 TEMPERATURE:

14°F to 104°F (-10°C to 40°C)

#### RATING/MATERIAL:

NEMA 4X FRP

#### WEIGHT:

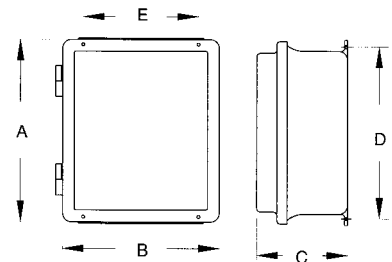
Approximately 18 lb (8.2 kg)

#### APPROVALS:

NTEP - certified at 10,000 Divisions,  
Class III/IIIL  
Measurement Canada approved  
AM-5554

#### WARRANTY:

Two-year limited warranty



### DIMENSIONS

#### SURVIVOR 420HE

A = 14.50" (368.3 mm)

B = 12.50" (317.5 mm)

C = 8.28" (210.3 mm)

D = 14.94" (379.4 mm)

E = 10.00" (254 mm)

# SURVIVOR® 420HE

Indicators

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
87959	SURVIVOR 420HE 115 VAC†	18 lb	\$1,595.00
87960	SURVIVOR 420HE 230 VAC†	18 lb	1,595.00
<b>Options/Accessories</b>			
30911	Additional mounting tabs (set of 4)		30.00
92777	Filter, PreVent™ vent kit		25.00
87972	Additional operating manual		25.00
<b>Primary Component Parts</b>			
87958	Board assembly, CPU		470.00
72996	AC power supply		79.00
87808	Board display, 2" LED		350.00
87971	Switch assembly, 6 pushbutton		100.00
87968	Front panel overlay		53.00



†NEMA 5-15 plug