

SURVIVOR® 420HE

Hostile Environment Digital Weight Indicators



STANDARD FEATURES

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

APPROVALS



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

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: 25 W 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:

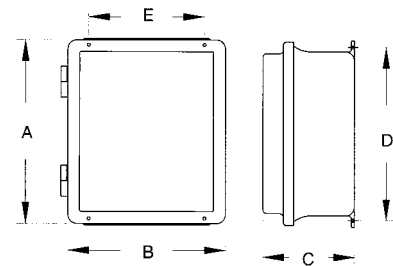
Approximately 18 lb (8.2 kg)

APPROVALS:

NTEP - certified at 10,000 Divisions, Class III/IIIL
CC# 04-076A5 Measurement Canada approved
AM-5554

WARRANTY:

Two-year limited warranty



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)		

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PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
87959.....	SURVIVOR 420HE 115VAC†.....	18lb.....	Consult
87960.....	SURVIVOR 420HE 230VAC†.....	18lb.....	Consult

OPTIONS/ACCESSORIES

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, 2in LED.....		Consult
87971.....	Switch assembly, 6 pushbutton.....		Consult
87968.....	Front panel overlay.....		Consult

