

# Instrumentation/Process Control

## SURVIVOR® 420HE

Hostile Environment Digital Weight Indicators



### STANDARD FEATURES

- NEMA 4X Fibreglas-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:

2in (50mm) 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 230VAC  
Frequency: 50/60Hz  
Power consumption: 25W maximum

#### DIGITAL INPUTS:

2 inputs, TTL or switch closure, active low

#### DIGITAL OUTPUTS:

2 outputs, 250mA max sink

#### OPERATING TEMPERATURE:

14°F to 104°F (-10°C to 40°C)

#### RATING/MATERIAL:

NEMA 4X FRP

#### WEIGHT:

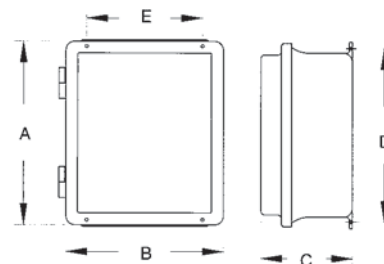
Approximately 18lb (8.2kg)

#### APPROVALS:

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

#### WARRANTY:

Two-year limited warranty



DIMENSIONS			
A	14.50 in (368.3 mm)	D	14.94 in (379.4 mm)
B	12.50 in (317.5 mm)	E	10.00 in (254 mm)
C	8.28 in (210.3 mm)		