



Compact

Low Cost

Easy to Install

DIN Rail Mountable

Integral LED Indicator

Measurement range fits most applications

24V alarm output with adjustable trip point

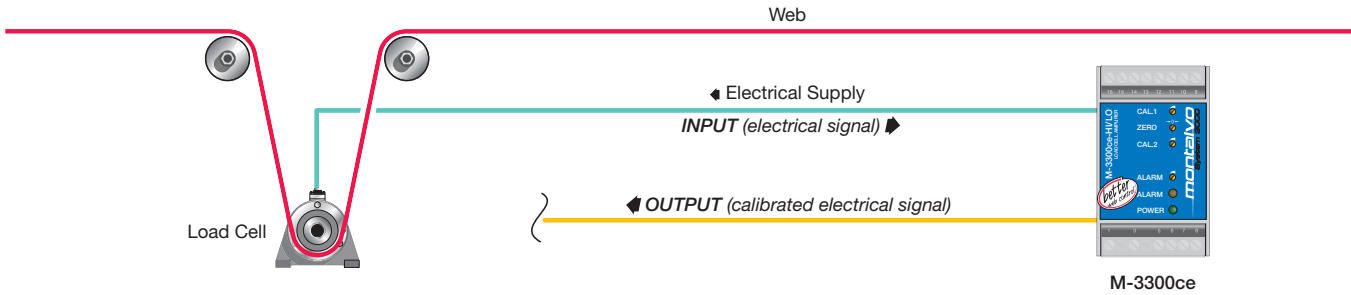


System 3000™

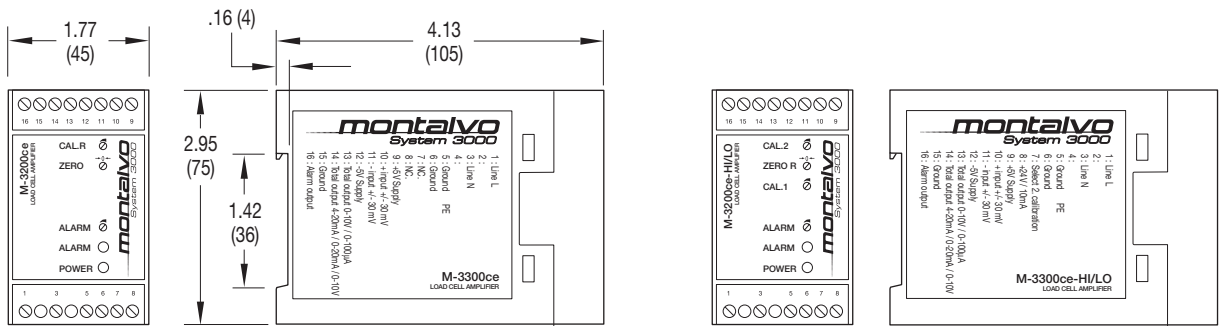
M-3300ce Load Cell Amplifier

M-3300ce modules indicate and monitor web tension by amplifying load cell signals. They provide excitation voltage as well as zero and calibration circuitry. The output can be used to drive a digital or analog meter. For further processing the output can also be interfaced to a PLC, PC, or a DC, AC or servo drive. M-3300ce modules work with Montalvo's SW Series foil gauge load cells as well as with other brands. Two different amplifier modules are available. The basic model, M-3300ce, indicates and monitors total web tension with adjustments for calibration and zero level. The M-3300ce-HI/LO features dual range capability with two calibration adjustments for high and low gain setting.

Typical Application



Specifications



Model
 M-3300ce Total Tension Indication
 M-3300ce-HI/LO Total Tension Indication with Dual Range Capability

Electrical
 Supply Voltage, Selectable 115 or 230 VAC ± 10% (IEC 204-1)
 Supply Frequency 48-62 Hz
 Overvoltage Category III (IEC 664)
 Maximum Internal Fuse Size 5x20 mm 115V/80mA(T) / 230V/50mA(T)
 Maximum Power Consumption 3.5 VA
 Maximum Supply Fuse Size 10 A
 Testing Voltage - Primary to Secondary 3.75 kV for 1 Minute
 Load Cell Input ± 30 mVDC
 Input Impedance 100 kΩ
 Load Cell Supply ± 5.0 VDC ± 1%
 Zero Range Adjustment 200% of Load Cell Rating (± 60 mVDC)
 Gain Adjustment 90 to 4400
 Alarm Output Voltage 24 VDC ± 15%
 Maximum Alarm Output Load > 650 Ω
 Accuracy Better Than 1%
 Meter Output, Selectable 0 to 100 μA or 0 to 10V, Max. Load 5 mA
 Process Output, Selectable 0 to 20 mA or 4 to 20 mA or 0 to 10V
 Process Output Maximum Load (Current) ≤500 Ω
 Process Output Maximum Load (Voltage) ≥5000 Ω

Other
 Connections Removable Terminal Blocks
 Mounting DIN Rail 35 mm
 Mounting Orientation Not Critical
 Ambient Temperature Range: Operating 14 to 122°F (-10 to 50°C)
 Ambient Temperature Range: Storage 14 to 176°F (-10 to 80°C)
 Humidity < 95% Non-Condensing
 Degree of Protection IP20 (IEC 529)
 EMC-Immunity EN 50082-2 Industry
 EMC-Emission EN 50081-1 Trade and Light Industry
 Material Degree of Inflammability UL 94 V0
 Installation Environment (Pollution Degree) 2
 Weight (approx.) 0.66 lb (0.3 kg)
 Size (WxDxH) 1.77 x 4.13 x 2.95 (45 x 105 x 75)
 Dimensions inches (mm)