

M-3300

Load Cell Amplifier Module



Montalvo M-3300 Load Cell Amplifier Module

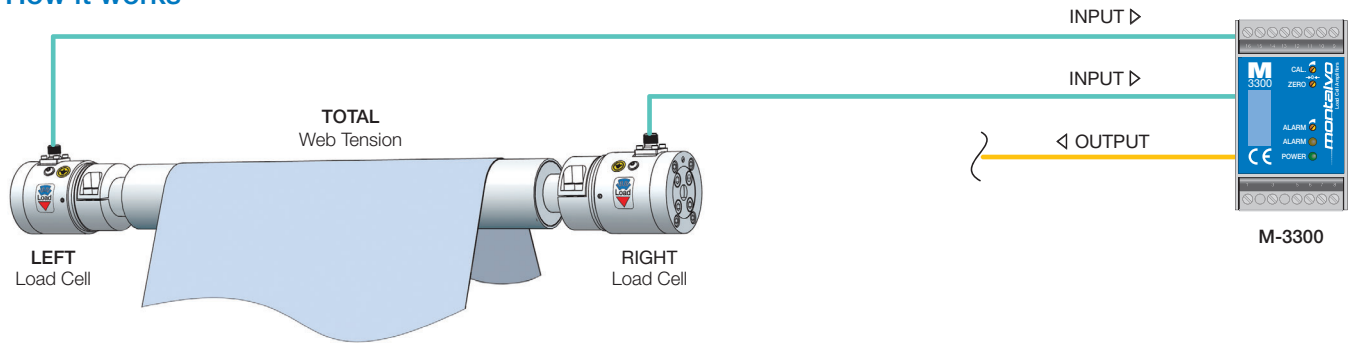
M-3300 modules indicate and monitor web tension by amplifying load cell signals. They provide excitation voltage as well as zero and calibration circuitry. The output can be used to drive a digital or analog meter. For further processing the output can also be interfaced to a PLC, PC, or a DC, AC or servo drive. M-3300 modules work with Montalvo's foil gauge load cells as well as with other brands. M-3300 indicates and monitors total web tension with adjustments for calibration and zero level.

Features and Benefits

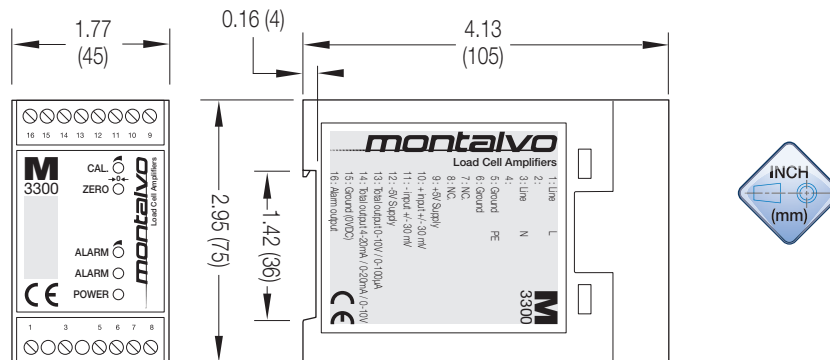
- ▶ **DIN rail mount** - makes installation easy
- ▶ **Compact form** - fits into virtually any application
- ▶ **115/230 VAC** supply voltage - offers convenient wiring
- ▶ **24V alarm** output with adjustable trip point - for enhanced monitoring
- ▶ **Drive digital or analog tension meter** - choice of monitoring options
- ▶ **Interface with PLC, PC, or DC, AC or servo drive** - for closed loop tension control
- ▶ **Compatible with foil gauge load cells** - Montalvo as well as other brands

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How it works



Dimensions



Specifications

Model
 M-3300 Total Tension Indication
 Part Number..... 11001336

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 Size5x20 mm 115V/80mA(T) / 230V/50mA(T)
 Maximum Power Consumption.....3.5 VA
 Maximum Supply Fuse Size..... 10 A
 Testing Voltage - Primary to Secondary3.75 kV for 1 Minute
 Load Cell Input ±30 mVDC
 Input Impedance 100 kΩ
 Load Cell Supply ±5.0 VDC ±1%
 Zero Range Adjustment200% 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 VO
 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)

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 Technical details subject to change without notice. M3300-US-01 © Montalvo