

M-3200-LTR

Load Cell Amplifier Module



Montalvo M-3200-LTR Load Cell Amplifier Module

Montalvo's M-3200-LTR Load Cell Amplifier Module indicates and monitors LEFT, TOTAL or RIGHT web tension from a *pair* semi-conductor strain gauge load cells by amplifying the load cell signal. The M-M3200-LTR provides excitation voltage as well as adjustments for calibration and zero level.

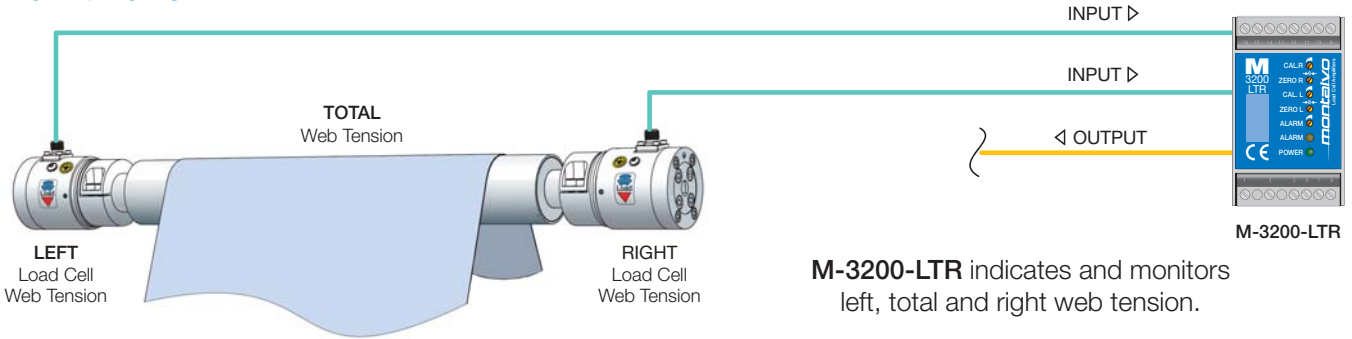
Features and Benefits

- ▶ **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 semi-conductor strain gauge load cells** - Montalvo as well as other brands

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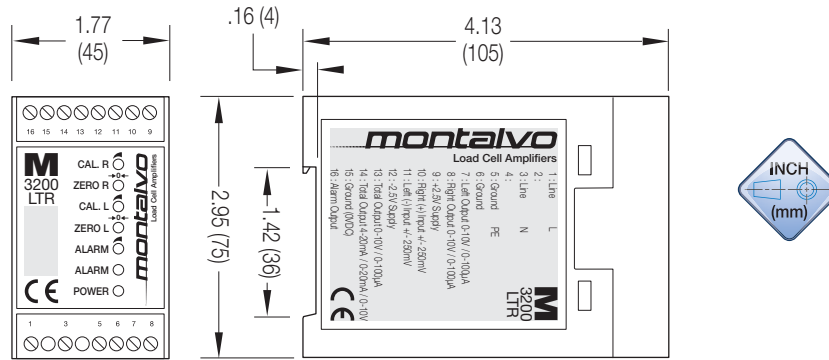
Load Cell Amplifier Module

How it works



M-3200-LTR indicates and monitors left, total and right web tension.

Dimensions



Specifications

Model

M-3200-LTR..... Total Tension Indication
 Part Number..... 11001140

Electrical

Supply Voltage, Selectable 115 or 230VAC ±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 Supply Fuse size 10 A
 Maximum Power Consumption..... 3.5 VA
 Load Cell Input ±250 mVDC
 Input Impedance 100 kΩ
 Load Cell Supply..... ±2.50 VDC ±1%
 Zero Range Adjustment..... 50% of Load Cell Rating (±250 mVDC)
 Gain Adjustment..... 11 to 510
 Alarm Output Voltage 24 VDC ±15%
 Maximum Alarm Output Load..... > 650 Ω
 Meter Output, Selectable..... 0 to 100 μA / 0 to 10V, Max. Load 5 mA
 Process Output, Selectable 0 to 20mA / 4 to 20 mA / 0 to 10V
 Process Output Maximum Load (Current)..... 500 Ω
 Process Output Maximum Load (Voltage)..... 5000 Ω
 Testing Voltage - Primary to Secondary 3.75kV for 1 minute
 Accuracy..... Better than 1%

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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