

M-3324

Load Cell Amplifier Module



24V CE

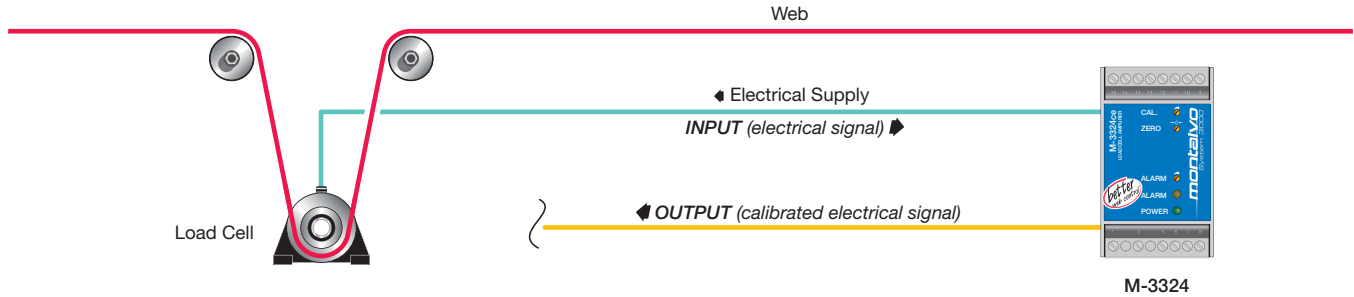
Montalvo M-3324 Load Cell Amplifier Module

The M3324 indicates and monitors web tension by amplifying foil gauge load cell signals. It provides excitation voltage as well as zero and calibration circuitry.

Features

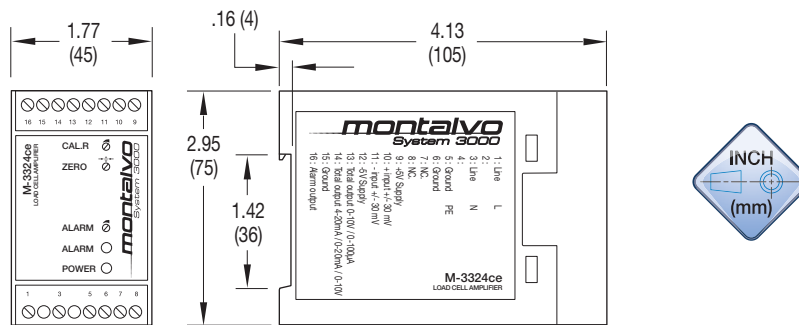
- ▶ Compact
- ▶ Low Cost
- ▶ DIN rail mountable
- ▶ Measurement range fits most applications
- ▶ 24V alarm output with adjustable trip point
- ▶ Output can drive digital or analog tension meter
- ▶ Output can also interface with PLC, PC, or DC, AC or servo drive
- ▶ Utilizes 24VDC power provided by most PLC and machine control circuitry
- ▶ Compatible with Montalvo F and SW Series foil gauge load cells as well as with other brands

How it works



M-3324 indicates and monitors total web tension with adjustments for calibration and zero level

Specifications



Model
 M-3324ce (Total Tension Indication)..... Part # 11506076

Electrical
 Supply Voltage 24 VDC
 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 Voltage24 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
 MountingDIN 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-ImmunityEN 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)

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