



IP54 CE

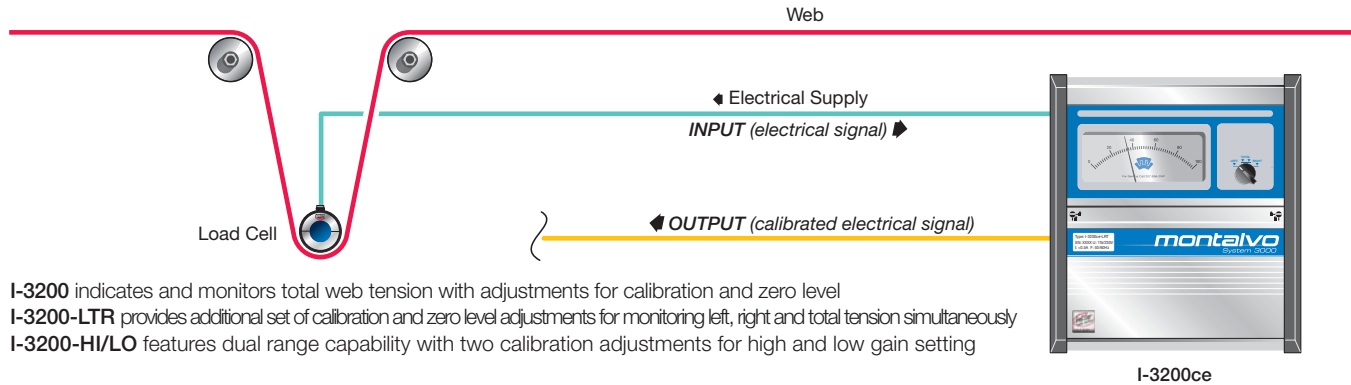
Montalvo I-3200 Tension Indicator

The M3200 indicates and monitors web tension by amplifying load cell signals. It provides excitation voltage as well as zero and calibration circuitry.

Features

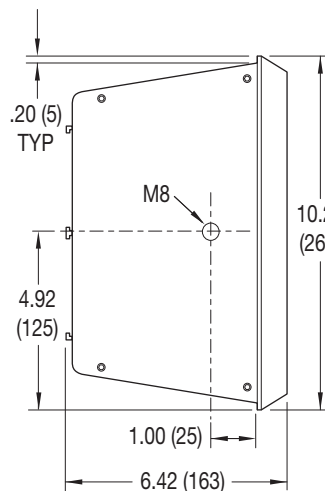
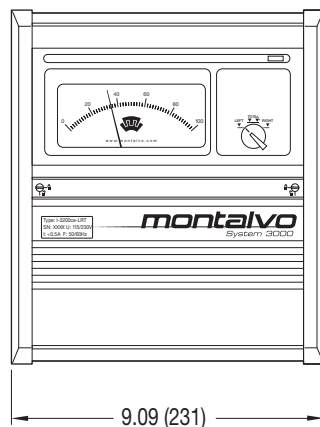
- ▶ Three models
- ▶ IP54 enclosure
- ▶ DIN rail mountable
- ▶ 115 or 230 VAC field selectable
- ▶ Accurate, repeatable tension indication
- ▶ Measurement range fits most applications
- ▶ 24V alarm output with adjustable trip point
- ▶ Output can also interface with PLC, PC, or DC, AC or servo drive
- ▶ Compatible with N, T, R, TNT and U Series semiconductor strain gauge load cells as well as with other brands

How it works



I-3200 indicates and monitors total web tension with adjustments for calibration and zero level
 I-3200-LTR provides additional set of calibration and zero level adjustments for monitoring left, right and total tension simultaneously
 I-3200-HI/LO features dual range capability with two calibration adjustments for high and low gain setting

Specifications



Model

I-3200ce Total Tension Indication
 I-3200ce-HI/LO Total Tension Indication with Dual Range Capability
 I-3200ce-LTR Left, Total & Right Tension Indication

Electrical

Supply Voltage, Selectable 115 or 230 VAC \pm 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
 EMC-Immunity EN 50082-2 Industry
 EMC-Emission EN 50081-1 Trade and Light Industry
 Load Cell Input \pm 250 mVDC
 Input Impedance 100 k Ω
 Load Cell Supply \pm 2.50 VDC \pm 1%
 Zero Range Adjustment 50% of Load Cell Rating (\pm 250 mVDC)
 Gain Adjustment 11 to 510
 Accuracy Better Than 1%
 Alarm Output Voltage 24 VDC \pm 15%
 Maximum Alarm Output Load > 650 Ω
 Meter Output, Selectable 0 to 100 μ A / 0 to 10V, Max. Load 5 mA
 Process Output, Selectable 0 to 20 mA / 4 to 20 mA / 0 to 10V
 Process Output Maximum Load (Current) 500 Ω
 Process Output Maximum Load (Voltage) 5000 Ω

Standard Meter Scales 0-5, 10, 25, 50, 150, 250, 500, 1000
 Mounting Bracket Supplied
 Mounting Orientation Not Critical
 Connections Removable Terminal Blocks
 Ambient Temperature Range: Operating 14 to 122°F (-10 to 50°C)
 Ambient Temperature Range: Storage 14 to 176°F (-10 to 80°C)
 Degree of Protection IP54 (IEC 529)
 Installation Environment (Pollution Degree) 2
 Humidity < 95% Non-Condensing
 Weight (approx.) 7 lb (3.18 kg)
 Material Degree of Inflammability UL 94 V0
 Size (WxDxH) 9.09 x 6.42 x 10.24 (231 x 163 x 260)
 Cut-Out (WxH) 8.86 x 9.96 (225 x 253)
 Cut-Out Tolerance \pm 0.02 (\pm 0.5)
 Dimensions inches (mm)

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montalvo
 Better Web Control®

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