



Easy to install
115 or 230 VAC field selectable
Simple calibration and adjustment
Output proportional to web tension
Accurate, repeatable tension indication
Measurement range fits most applications
24V alarm output with adjustable trip point

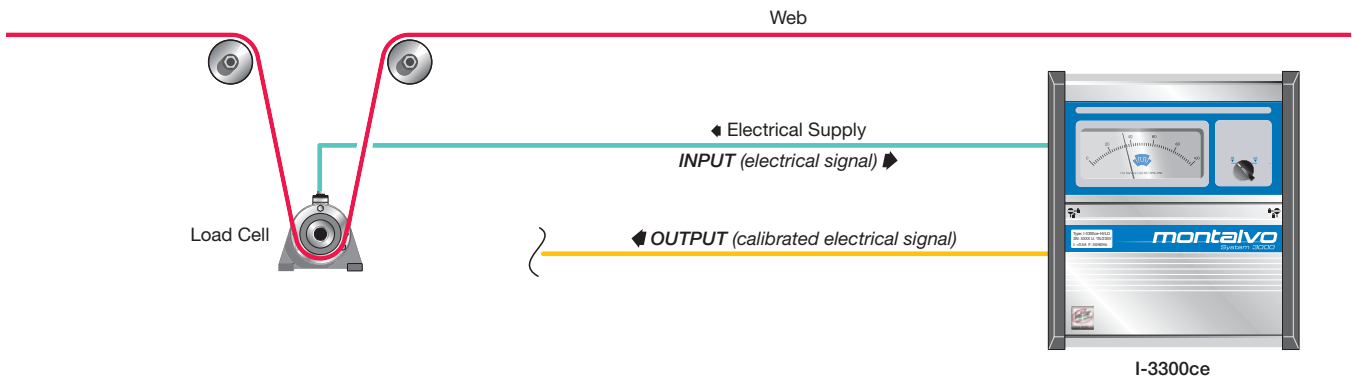
IP54 CE

System 3000™

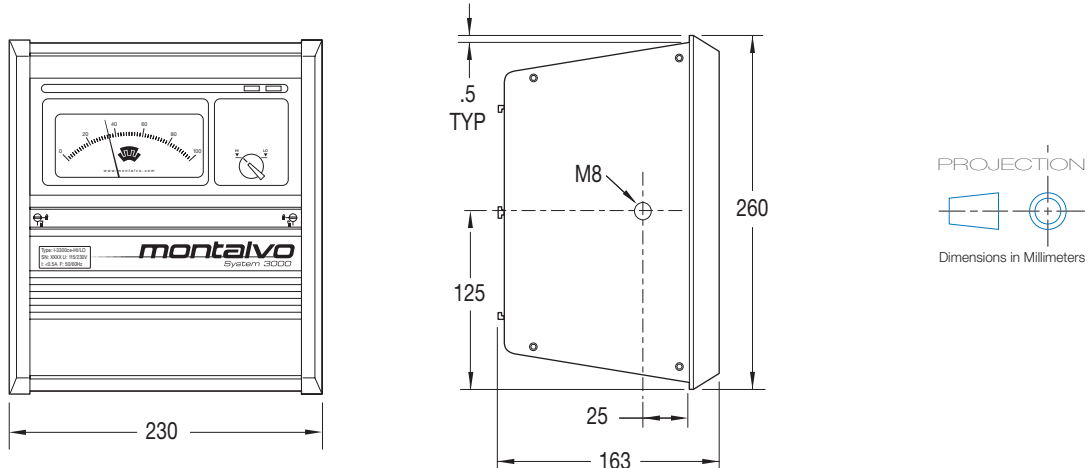
I-3300ce Tension Indicator

I-3300ce indicators 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. I-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, I-3300ce, monitors total web tension with adjustments for calibration and zero level. The I-3300ce-HI/LO features dual range capability with two calibration adjustments for high and low gain setting.

Typical Application



Specifications



Model

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

Electrical

Supply Voltage, Selectable	115 or 230 VAC $\pm 10\%$ (IEC 204-1)
Supply Frequency	48-62 Hz
Overtoltage Category	III (IEC 664)
Testing Voltage - Primary to Secondary	3.75 kV for 1 Minute
Maximum Internal Fuse Size	5x20 mm 115V/80mA(T) / 230V/50mA(T)
Maximum Power Consumption	3.5 VA
Maximum Supply Fuse Size	10 A
Load Cell Input	± 30 mVDC
Input Impedance	100 k Ω
Load Cell Supply	± 5.0 VDC $\pm 1\%$
Zero Range Adjustment	200% of Load Cell Rating (± 60 mVDC)
Gain Adjustment	90 to 4400
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

Other

Standard Meter Scales	0-5, 10, 25, 50, 150, 250, 500, 1000
Connections	Removable Terminal Blocks
Mounting Bracket	Supplied
Mounting Orientation	Not Critical
Ambient Temperature Range: Operating	-10°C to 50°C
Ambient Temperature Range: Storage	-10°C to 80°C
Humidity	< 95% Non-Condensing
Degree of Protection	IP54 (IEC 529)
EMC-Immunity	EN 50082-2 Industry
EMC-Emission	EN 50081-1 Trade and Light Industry
Material Degree of Inflammability Meets	UL 94
Installation Environment (Pollution Degree)	2
Weight (approx.)	4.5 kg
Size (WxDxH)	230mm x 163mm x 260mm
Cut-Out (WxH)	223mm x 253mm ± 0.5 mm
Dimensions	mm