

# 9150-X-300 HIGH PRECISION INDICATOR

## FEATURES

- Ratiometric measurement measures true mV/V
- Resolution 0.00001 mV/V
- Display mV/V or physical units
- Stores calibration data for up to 25 load cells
- 10-point linearization
- Special high performance unit
- Linearity of 0.003% of full scale
- Sensitivity of +/-4.5 mV/V
- 1 or 2 channel transducer input and display
- RS-232, RS-485 or USB Computer Interface
- Software selectable filters



The Model 9150-X-300 is a high performance version of the standard Model 9150 featuring higher accuracy, stability and lower temperature errors.

## SPECIFICATIONS

Model	9150-1-300 Single Channel 9150-2-300 Dual Channel
<b>PARAMETERS</b>	
<b>PERFORMANCE</b>	
Power Requirements	115 VAC, 60Hz/ 230 VAC, 50Hz
Excitation	5VDC or 10 VDC software/auto selectable
Current Drive	180 mA at 5 VDC or 10 VDC
Push Button Shunt	Yes
Internal Shunt Resistor	1 standard, 2 optional. Rear panel selectable
Display Values	-999,999 through 999,999
Calibration Method	Shunt, mV/V, Known Load
Push Button Tare	100% of range--display and analog output
Sensitivity Adjust	1 mV/V to 4.5 mV/V
Accuracy	0.003% of full scale +/- digital count
CMRR	115 dB
<b>TEMPERATURE</b>	
Effect on Zero	0.005%/C
Effect on Output	0.005%/C
<b>TRANSDUCER CHANNELS</b>	
Number of Channels	9150-1-300 Single, 9150-2-300 Dual
<b>D/A ANALOG OUTPUT</b>	
Full Scale Output	+/- 10 VDC nominal +/- 0.5 VDC
Linearity	0.02% of full scale
Scaling	Gain and offset selected software
Frequency Response	Approx. 15 Hz (plus filtering)
Output Source	Any displayed quantity
<b>DIRECT ANALOG OUTPUT</b>	
Full Scale Output	+/- 8.14 VDC +/- 0.25 VDC
Linearity	0.02% of full scale
Scaling	Fixed with no tare, transducer channel only
Frequency Response	Approx. 1.5 kHz
<b>DIGITAL I/O</b>	
Inputs--Interface	4 optically isolated inputs
Outputs--Quad Limits	4 isolated solid state switches
<b>SERIAL INTERFACE</b>	
RS-232, RS-485	Standard, Optional
USB	Standard
<b>AUTO TRANSDUCER I.D.</b>	
Auto I.D. and Setup	Standard