

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 |
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| PARAMETERS | |
| PERFORMANCE | |
| 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 |
| TEMPERATURE | |
| Effect on Zero | 0.005%/C |
| Effect on Output | 0.005%/C |
| TRANSDUCER CHANNELS | |
| Number of Channels | 9150-1-300 Single, 9150-2-300 Dual |
| D/A ANALOG OUTPUT | |
| 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 |
| DIRECT ANALOG OUTPUT | |
| 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 |
| DIGITAL I/O | |
| Inputs--Interface | 4 optically isolated inputs |
| Outputs--Quad Limits | 4 isolated solid state switches |
| SERIAL INTERFACE | |
| RS-232, RS-485 | Standard, Optional |
| USB | Standard |
| AUTO TRANSDUCER I.D. | |
| Auto I.D. and Setup | Standard |