LMD-120A

Current Loop- Powered Digital Indicator

Easy to use. Powered by the 4–20 mA signal loop input; requires no external AC or DC.





FEATURES

- Standard SAE gasketed and spray-proof case; fits panels with 3³/₈ in. openings.
- High noise immunity; no power line or supply connections.
- Liquid crystal display (LCD); no outdoor fadeout; 0.4 in. high digits.
- Ease of calibration; field-adjustable to any readout range by integral multiturn zero and span potentiometers, decimal point switches, and fifth-digit fixed zero switch.
- Bipolar display; positive and negative readouts.
- Rugged and reliable.

*Third Party Approvals: CSA: (LR45322) Class I, Division 1, Groups A, B, C, & D. Intrinsically safe: when connected through a CSA-certified single channel Zener barrier rated 28.5 volts maximum, 300Ω minimum.

SPECIFICATIONS

Input Signal: 4 to 20 mA.

Display: $3\frac{1}{2}$ digits (1 digit resolution) or $4\frac{1}{2}$ digits (10-digit resolution), bipolar. The display can be extended to $4\frac{1}{2}$ digits by entering a fixed zero in the least significant digit position via a user-selectable switch.

Span and Zero Adjust: 25-turn potentio-meters permit adjustment of the display to any desired span from 100 up to 2000 units and for any required initial reading from –1000 to +1000. (4 mA input for initial reading; 20 mA input for maximum indication.)

Typical calibrations: 0 to +1999, -500 to +500, +800 to +1000, etc. The fifth digit (dummy zero) can be turned on for readouts up to +19990.

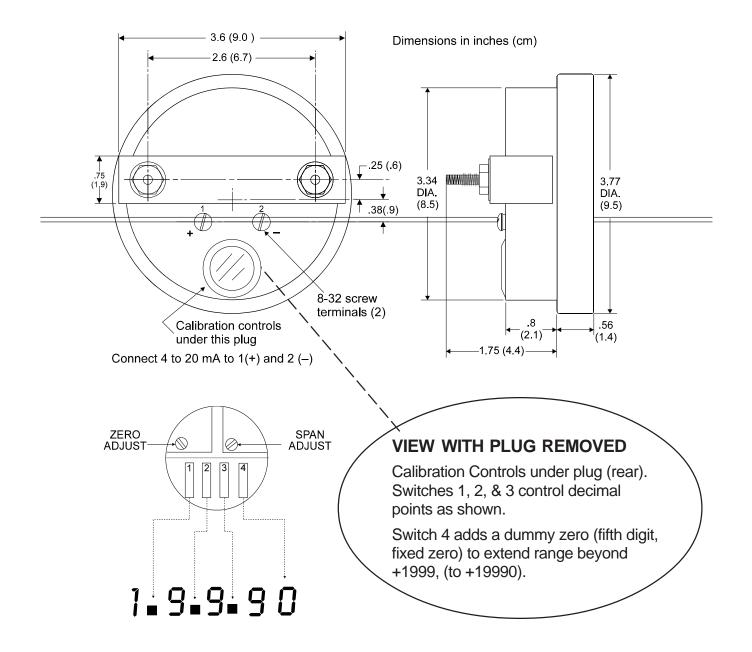
Loop Burden: Less than 2 volts, i.e. 100 Ω at 20 mA.

Environment Temperature: $0^{\circ}F$ to $+165^{\circ}F$ ($-18^{\circ}C$ to $+74^{\circ}C$).

Weight: I lb, maximum (0.454 kg).



OUTLINE DRAWING





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