

# LMD-120D

## Current Loop-Powered Digital Indicator

Easy to use. No AC or DC required; powered from signal loop current. Input signal is 4-20 or 10-50 mA, jumper selectable. 1/8-DIN housing.

**2-Year  
Warranty**



*LR45322,  
Class I, Division 2,  
Group A, B, C, D*

### FEATURES

- LMD-120D™ requires no AC or DC; powered by signal loop current.
- High noise immunity due to no power line or supply connections.
- Specially designed bracket eases installation of the 1/8-DIN housing in panels of varying thicknesses.
- Liquid crystal display; no outdoor fadeout. Large 0.4 inch digits.
- Easy to calibrate. Field-adjustable to readout range by integral multi-turn zero and span potentiometers. Decimal point and fifth-digit rotary switch.
- Bipolar display: positive and negative
- Low cost



### ENVIRONMENTAL

**Temperature:** (Storage and Operation) – 15°F to +165°F (–26°C to +74°C).

**Vibration:** MIL STD 810C, method 514.2, curve P, procedure V, and MIL STD 202F, method 201A (10–55 Hz, continuous displacement of 0.06 inches peak-to-peak).

**Humidity:** ISA standard S71.01 class C 1 (–25°C to +55°C with 5% to 100% R.H., non-condensing).

**Dust:** MIL STD 810C, method 510.1, procedure 1, steps 1, 4, 5, 6 (1750 ft./min; 0.3g/ft<sup>3</sup> density; 176 meters average particle size).

**Housing:** Sealed, spray-proof; complies with NEMA standard 250, types 4, 12, 13. Constructed of impact resistant 10% Fiberglass™-filled polycarbonate.

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## SPECIFICATIONS

**Input Signal:** 4–20 mA or 10–50 mA, jumper-selectable.

**Loop Burden:** 2 volts maximum, i.e. 100  $\Omega$  at 20 mA.

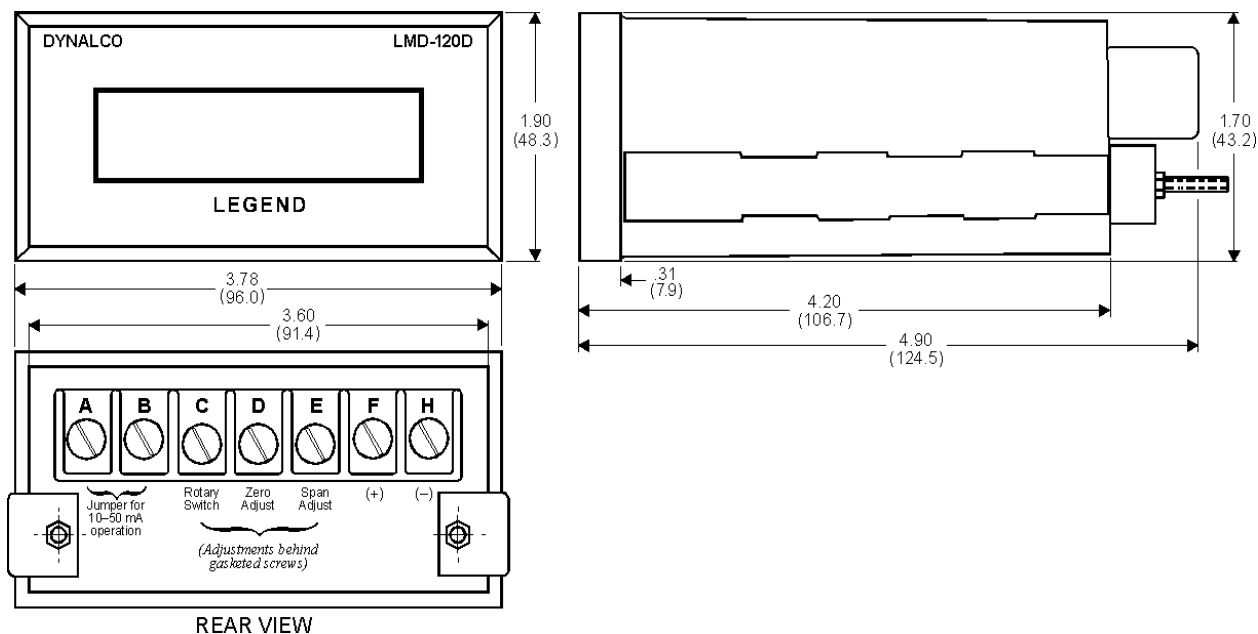
**Display:** 3½ digits standard; 4½ digits with fixed zero at right-most digit. Selectable decimal point.

**Span and zero adjust:** 25-turn potentiometers permit span adjustment from 100 up to 2000 units, and zero adjustment from –1000 up to +1000 units.

**Accuracy:** 0.1% linearity, 0.5% stability over the environmental range.

**Weight:** 1.0 lb (0.45 kg).

## OUTLINE DRAWING



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