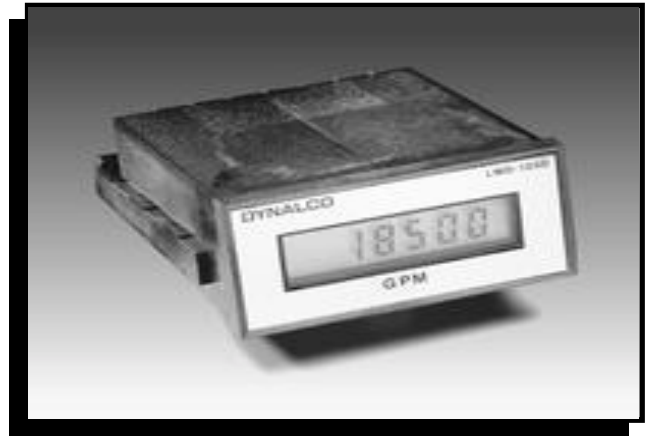


LMD-120D

DYNALCO
CONTROLS

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 1,
Groups 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 readouts.
- Low cost.

SPECIFICATIONS

FUNCTIONAL

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

Loop Burden: 2 volts maximum, i.e. 100 Ω 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.

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).

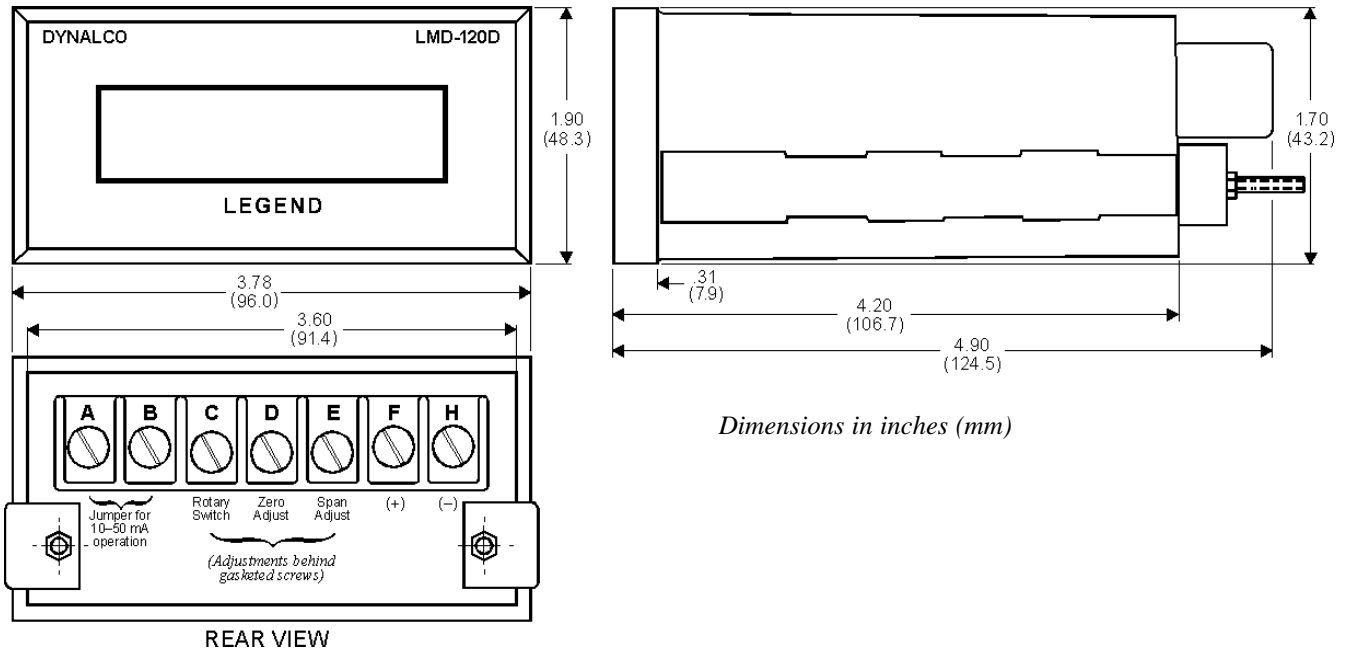
Humidity: ISA standard S71.01 class C 1 (–25°C to +55°C with 5% to 100% R.H., non-condensing).

Dust: MIL STD 810C, method 510.1, procedure 1, steps 1, 4, 5, 6 (1750 ft./min; 0.3g/ft³ density; 176 meters average particle size).

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

Weight: 1.0 lb (0.45 kg).

OUTLINE DRAWING



HOW TO ORDER

1. Specify LMD-120D.
2. Specify input: 4–20 mA or 10–50 mA.
3. If factory calibration is desired, specify the *precise display range* that corresponds to the 4–20 mA or 10–50 mA input, i.e. 0 to 500, –300 to +300, 800–1000, 0–8.00, etc.
4. Indicate if fifth digit (dummy zero is required).
5. Indicate either:
 - a. The required nameplate legend to be supplied by the factory, i.e. RPM, LBS, F, %, PSI, etc., or...
 - b. A blank legend strip to be marked or screened by the user, typically nine characters and spaces, maximum. Check with factory regarding “long” legends.



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FOR COMPLETE SPECIFICATION INFORMATION CONTACT A DYNALCO REPRESENTATIVE.