

LMD-120A

Signal Powered Digital Indicator

Installation and Calibration

The LMD-120A is powered from the 4-20 mA current that serves as the signal into terminals 1 (+) and 2 (-). Do not make any other power connections to this unit.

- ◆ This device can be connected as a simple current meter in any 4-20 mA current loop in series with transmitters, controllers, and other 4-20 mA monitors. Maximum loop burden is 100 ohms at 20 mA.

Calibration:

1. With 4 mA input, adjust ZERO ADJUST for desired reading at 4 mA.
2. With 20 mA input, adjust SPAN ADJUST for desired reading at 20 mA.
3. Repeat steps 1 through 2. Recalibrate as needed.

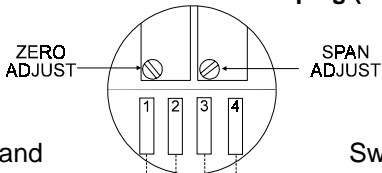
Note: With switch 4 off, ZERO ADJUST permits any initial reading from -1000 to +1000; SPAN ADJUST permits a span adjust from 100 to 2000 counts.

- ◆ With switch 4 on, the zero is adjustable from -10,000 to +10,000; the span is adjustable from 1000 to 20,000 (fixed zero).

Intrinsic Safety: This instrument is CSA certified as intrinsically safe for Class I, Divisions 1 and 2, Groups A, B, C, and D hazardous locations, if the signal feeding the unit is derived from a safe source or through a safety barrier meeting entity parameters of $V_{max} = 40$ volts, $I_{max} = 200$ mA, $C_i = 0$, $L_i = 0$.

LMD-120A — View with the plug removed

Calibration controls under plug (rear)



Switches 1, 2, and 3 control decimal points as shown.

Switch 4 adds a dummy zero (fifth digit, fixed zero) to extend range 1999 to 19990.

1.9.9.90

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