

LOOP-POWERED DISPLACEMENT TRANSMITTERS WITH EXCITATION FOR AC LVDTs WORKS WITH LD200 AND LD300 SERIES TRANSDUCERS

LDX-2 LVDT Signal Conditioner Loop Powered

LDX-2
\$385



- ✓ Wide Input Range of 30 to 530 mV/V
- ✓ Rugged Sealed Housing
- ✓ 2-Wire, 4 to 20 mA Signal for Remote Locations
- ✓ 0.02% of Reading Accuracy
- ✓ Powers AC LVDTs and Converts Signal to Standard 4 to 20 mA Signal

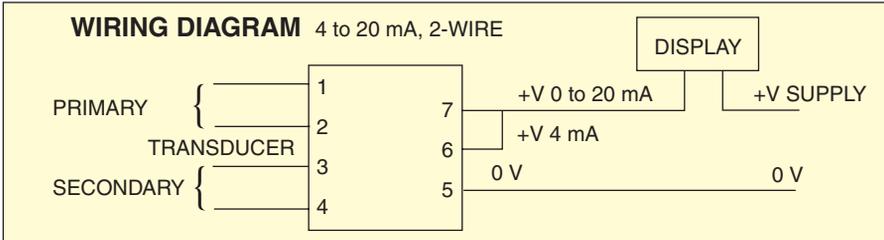
The LDX-2 linear displacement transmitter is a 2-wire, 4 to 20 mA conditioner for AC LVDT transducers. It is designed for use where long transmission distances are required before the signal can interface with a controller or meter. A feature of 2-wire operation is its low susceptibility to noise and cable resistance, ideal for industrial environments.

Two-wire operation enables both power and signal to use the same pair of wires. The position of the transducer is indicated by the amount of current, from 4 to 20 mA full scale. If a cable break occurs, zero current is indicated, thereby showing a fault.

The LDX-2 is housed in an ABS impact-resistant plastic case with 2 water-resistant ports for the transducer cable and supply cable. The box is sealed to NEMA 12 (IP65) standards and is supplied with mounting nuts for a DIN 46277-1 rail, or it can be bolted to any surface without affecting the seal.



LDX-2, \$385, shown smaller than actual size.



SPECIFICATIONS ELECTRICAL

- Power Supply:** 13 to 48 Vdc, up to 30 mA
- Supply Protection:** Reverse polarity protected
- Transducer Drive:** 0.9 Vrms @ 5 kHz nominal, 13 kHz switchable
- Oscillator Protection:** Open and short circuit protected
- Transducer Sensitivity Range:** 30 to 530 mV/V in 2 coarse gain positions
- Range of Gain Control:** 3.5 to 1 switched, 5 to 1 adjustable
- Range of Zero Control:** Up to 100% on max gain
- Output Current:** 4 to 20 mA 2-wire or 0 to 20 mA 3-wire
- Output Impedance:** Effectively infinite
- Output Protection:** Open and short circuit protected
- Output Ripple:** <50 μ A p-p @ 10 kHz

- Output Filter:** Cutoff frequency -3 dB @ 25 Hz second-order linearity: <0.02%
- Operating Temperature Range:** 0 to 70°C (32 to 158°F)
- Storage Temperature Range:** -40 to 80°C (-40 to 176°F)
- Temperature Coefficient:**
 - Zero:** Better than 0.01% FS/°C
 - Gain:** Better than 0.01% FS/°C
- Long-Term Stability:**
 - Zero:** 0.2%/year typical
 - Gain:** 0.3%/year typical

- Effect of Supply Change:** Negligible
- Terminations:** Screw terminals; access through 2 cable ports for wires 1 to 5 mm (0.04 to 0.2") diameter

MECHANICAL

- Weight:** 220 g (7.7 oz)
- Mounting:** Through holes in base by 2 screws and nuts; can be mounted to DIN 46277-1 rail
- Accessories:** 2 fixing screws and nuts
- Environment:** Sealed to NEMA 12 (IP65)
- Dimensions:** 54.5 H x 80 W x 108 mm L (2.13 x 3.12 x 4.21")

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
LDX-2	\$385	Loop-powered signal conditioner for AC LVDTs

Comes with complete operator's manual.

Ordering Example: LDX-2, loop-powered signal conditioner for AC LVDTs, \$385.

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