DC-POWERED SIGNAL CONDITIONER
PROVIDES TRANSDUCER EXCITATION AND SELECTABLE ANALOG OUTPUTS; WORKS WITH LD320 SERIES TRANSDUCERS

LDX-4

1 YEAR WARRANTY

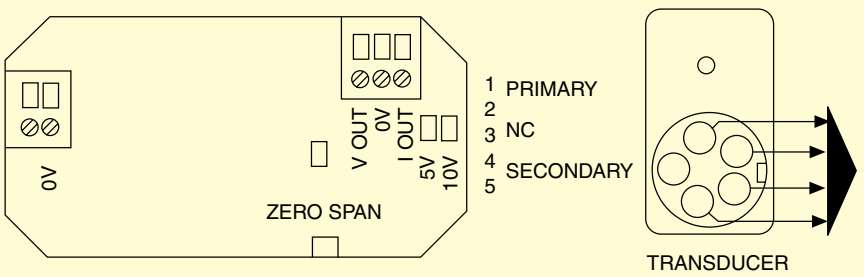
LDX-4, shown smaller than actual size.

LD320

- **Operates on 10 to 30 Vdc**
- **+5V, ±10V, or 20 mA Selectable Outputs**
- **Adjustable Zero and Span**
- **High-Accuracy Oscillator/ Demodulator Circuits Provide 3V @ 5 kHz**

The LDX-4 is a DC-powered signal conditioning amplifier and power supply for AC LVDTs. Its compact, rugged case can withstand industrial installations and protect laboratory-grade electronics. Complete zero and span adjustments allow use with any LVDT with an output between 45 and 450 mV/V full scale. Selectable outputs of ±5V or ±10V interface with recorders, displays, and other instruments. For the ±5V output range, a second 0 to 20 mA signal can be used to retransmit the signal over long distances.

CONNECTIONS AND CONTROL LOCATIONS



SPECIFICATIONS

Supply Voltage: 10 to 30 Vdc

Supply Current (Voltage Output): 140 mA max with 10 Vdc supply voltage; 60 mA max with 30 Vdc supply voltage

Supply Current (Current Output): 180 mA max with 10 Vdc supply voltage; 70 mA max with 30 Vdc supply voltage

Noise on Power Supply (Typical): 20 mV p-p @ 100 kHz

Input Protection: Overvoltage, reverse connection

Transducer Energization: 3 Vrms @ 5 kHz

Transducer Range: 45 to 450 mV/V full scale

Output Voltage (Selectable): ±5 Vdc or ±10 Vdc full scale

Load Resistance: 1 kΩ minimum

Analog Output Current: 20 mA full scale into 1500 Ω maximum (only with 5 V range selected)

Offset Range: 0 to 100%

Gain Temperature Coefficient: <200 ppm/°C

Output Temperature Coefficient: <200 ppm/°C output

Noise: <20 mV p-p @ 10 to 100 kHz **Non-Linearity:** <0.1% BSL
Temperature Range: 0 to 60°C (-18 to 140°F)

Weight (Approx.): 300 g (11 oz)

Dimensions: 40 W x 65 H x 120 mm L (1.57 x 2.56 x 4.72")

To Order

MODEL NO.	DESCRIPTION
LDX-4	10 to 30 Vdc powered signal conditioner for AC LVDTs

Comes complete with operator's manual.

***Ordering Example: LDX-4,** 10 to 30 Vdc powered signal conditioner for AC LVDTs.*