

# DC-POWERED SIGNAL CONDITIONER PROVIDES TRANSDUCER EXCITATION AND SELECTABLE ANALOG OUTPUTS; WORKS WITH LD200 AND LD300 SERIES TRANSDUCERS

LDX-4  
**\$510**



LDX-4, \$510, shown smaller than actual size.

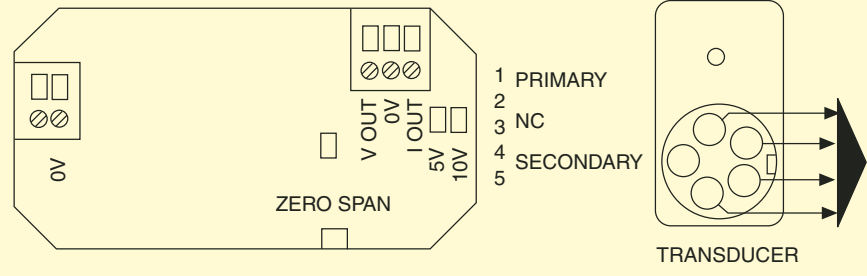
DP2000-P digital display, \$270, see page D-69.



LD300-15, \$480, see page J-19.



## CONNECTIONS AND CONTROL LOCATIONS



- ✓ Operates on 10 to 30 Vdc
- ✓ +5 V, ±10 V, or 20 mA Selectable Outputs
- ✓ Adjustable Zero and Span
- ✓ High-Accuracy Oscillator/Demodulator Circuits Provide 3 V @ 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 ±5 V or ±10 V interface with recorders, displays, and other instruments. For the ±5 V output range, a second 0 to 20 mA signal can be used to retransmit the signal over long distances.

## 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 H x 65 W x 120 mm L (157 x 256 x 4.72")

**MOST POPULAR MODEL HIGHLIGHTED!**

## To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
<b>LDX-4</b>	<b>\$510</b>	10 to 30 Vdc powered signal conditioner for AC LVDTs

Comes with complete operator's manual.

**Ordering Example:** LDX-4, 10 to 30 Vdc powered signal conditioner for AC LVDTs, \$510.

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