



LVDT Signal Conditioner Model E20

The E20 model is a small encapsulated signal conditioner for AC-LVDTs. Wide range of Zero and Gain adjustments are possible using customer provided potentiometers or resistors. The edge board connector features gold plated contacts.



SPECIFICATIONS.

Supply power (no load)	$\pm 15\text{VDC}$ @ 6mA, unregulated ($\pm 10\%$)
Output, full range	$\pm 10\text{VDC}$ @ 20mA max.
Output impedance	less than 10 Ω
Frequency response	0 to 150 Hz (3dB), roll-off 40 dB/dcc
Excitation output (1)	5V _{rms} @ 2.5KHz or 5KHz, 20mA max.
Zero adjust range (2)	$\pm 0.5\text{VDC}$ typical
Gain adjust range (3)	up to 50 V/V
Temperature coeff. of gain	0.02%/°C typ.
Temperature range	-30°C to +90°C

- (1) Other values available, up to 7V_{rms} and 20KHz.
- (2) Using a 5K Ω zero adjust potentiometer and 10K Ω gain resistor.
- (3) Using an external gain resistor R: Gain = $1 + R/10000$

WIRING AND DIMENSIONS (mm).

