



LVDT Conditioners—Single Channel



The single channel LVDT Conditioner, model #54-600-100, provides high performance single channel conditioning for most types of LVDT transducers.

The unit is of robust construction housed in a die cast box, providing a substantial degree of mechanical and environmental protection. The unit is powered from AC mains supply of 240 or 120 volts. The #54-600-100 provides selection of frequency, gain and output filter. The unit gives an output of 0 to $\pm 5V$ and 0 to $\pm 20mA$. This, together with fine adjustment of phase, zero and span settings, gives a very versatile single channel conditioner for many diverse applications.

Specifications

Mechanical	
Weight	400 Grams
Mounting	2 fixing straps and screws
Accessories included	5 pin DIN plug, mountings
Electrical	
Power supply	240 or 120V AC
Transducer drive	3V rms @ 2.5kHz or 5kHz Max. current 20Ma
Oscillator protection	Open and short circuit protected
Range of zero control	0 to $\pm 100\%$ adjustable
Output voltage	$\pm 5V$ into 10k min.
Output current	$\pm 20mA$ into 100 max.
Output protection	Open and short circuit protected
Output ripple @5kHz 250 Hz filter	<10mV pk/pk @ 10kHz
Output filter	2nd order low pass fc at 250 Hz or 110 Hz
Non-linearity	<0.05% rated output
Temperature range	0 to 60°C (140°F)
Temperature coefficient	Zero (offset), better than 0.02% fro/°C maximum 0.01% typical Gain (span), better than 0.02% fro/°C maximum 0.01% typical
Termination	5 pin DIN connector

16 Channel Conditioner card and Software available.

Contact Fowler's Technical Department.



Order No.	Description
54-600-100	Single Channel Conditioner