mantracourt

LVDT

LVDT Signal Conditioner and Amplifier

The LVDT/A & LVDT/D provide a wide range of signal conditioning for LVDT transducers.

Introduction

The LVDT has a wide range of output options for current, voltage (both uni-polar or bi-polar) which can be configured by setting the on-board DIL switches.

A wide frequency response is offered, of typically DC to 200Hz. There is an on-board low pass filter which can be switched in to reduce high frequency fluctuations or induced electrical noise, to give stable readings under adverse conditions.

Both the AC (115/230 V) and DC (18 -24 V) versions are based on a common board and are mounted in a light grey ABS enclosure sealed to IP65 standard.

Specification at a Glance

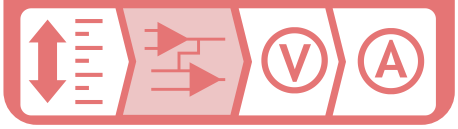
- Sensor excitation of 4.5 V RMS
- Selectable excitation frequency between 1 & 5 KHz
- Selectable sensitivity from 20 mV to 10 V & fine trim with potentiometer
- Wide bandwidth (20 HZ) for test & measurement applications
- Selectable analogue output in voltage or current loop format including 4-20 mA and 10 VDC
- 3 year manufacturer's warranty
- Full CE approval
- IP65 / NEMA 4 enclosure dimensions 160 x 80 x 55 mm

User Benefits

- Sensor excitation
- Selectable sensitivity
- User selectable analogue outputs
- High frequency filtering

Ideal Applications

- Test & Measurement
- Alternative Energy
- Silo & Weighing
- Food Industry



Related Product

SMP
Universal display with analogue outputs, relays & data output

UAB
Universal digital signal conditioner and controller

CE & Environmental

Storage temperature	- 10 ºC to +50ºC
Operating temperature	- 20 ºC to +70ºC
Relative humidity	95% maximum non condensing
IP Rating	IP65 / NEMA 4

CE Environmental Approvals	
European EMC Directive	2004/108/EC
Low Voltage Directive	2006/95/EC

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Industry Canada
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Designed, manufactured and supported in the UK

ISO 9001 REGISTERED FIRM

In the interests of continued product development, Mantracourt Electronics Limited reserves the right to alter product specifications without prior notice

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