

Pressurised Series AC LVDT With Plain Core & Extension

Main Features

- Stainless steel and mild steel construction
- Magnetically shielded
- Radial exit
- Non-captive core & extension
- 6 Pin MS connector

Technical Specification

Product Code	PE
Stroke	±25mm to ±500mm
Input Voltage	5V RMS @ 3kHz (others available)
Sensitivity	50 – 460mV/V/FRO (dependant on stroke)
Non-Linearity	±0.5% of full range, (higher specification can be achieved at extra cost)
Repeatability	Better than 0.1%
Resolution	Infinite (dependent on measuring instrument)
Frequency Response	3dB @ 180Hz (dependent on conditioning unit)
Current Range	0.5mA – 8mA
Temperature (standard)	-30° C to + 85° C
Temperature (high)	-30° C to + 150° C
Temperature (very high)	-30° C to + 250° C
Vibration Resistance	20g up to 2kHz
Shock Resistance	1000g for 10 milliseconds
Coil Impedance	600Ω + 100Ω (3kHz)
Insulation Resistance	Above $10M\Omega$ at 500VDC (between pins and case)
Dielectric Strength	500V RMS for one minute (between pins and case)
Magnetic Shielding	Internal magnetic shielding
Construction Material	Stainless steel
Connector Sealing	IP55

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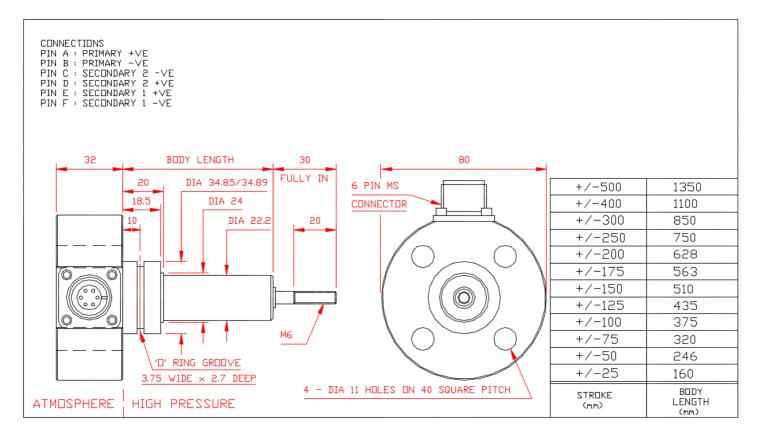


Option Description

L

Increased linearity, ±0.25%

Dimensions



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