

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 10MΩ 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

Option Description

L Increased linearity, $\pm 0.25\%$

Dimensions

