

Main Features

- Stainless steel construction
- Magnetically shielded
- Axial or radial exit
- Non-captive plain core & extension
- Sealed to IP55
- 4 or 6 wire 2M PTFE cable

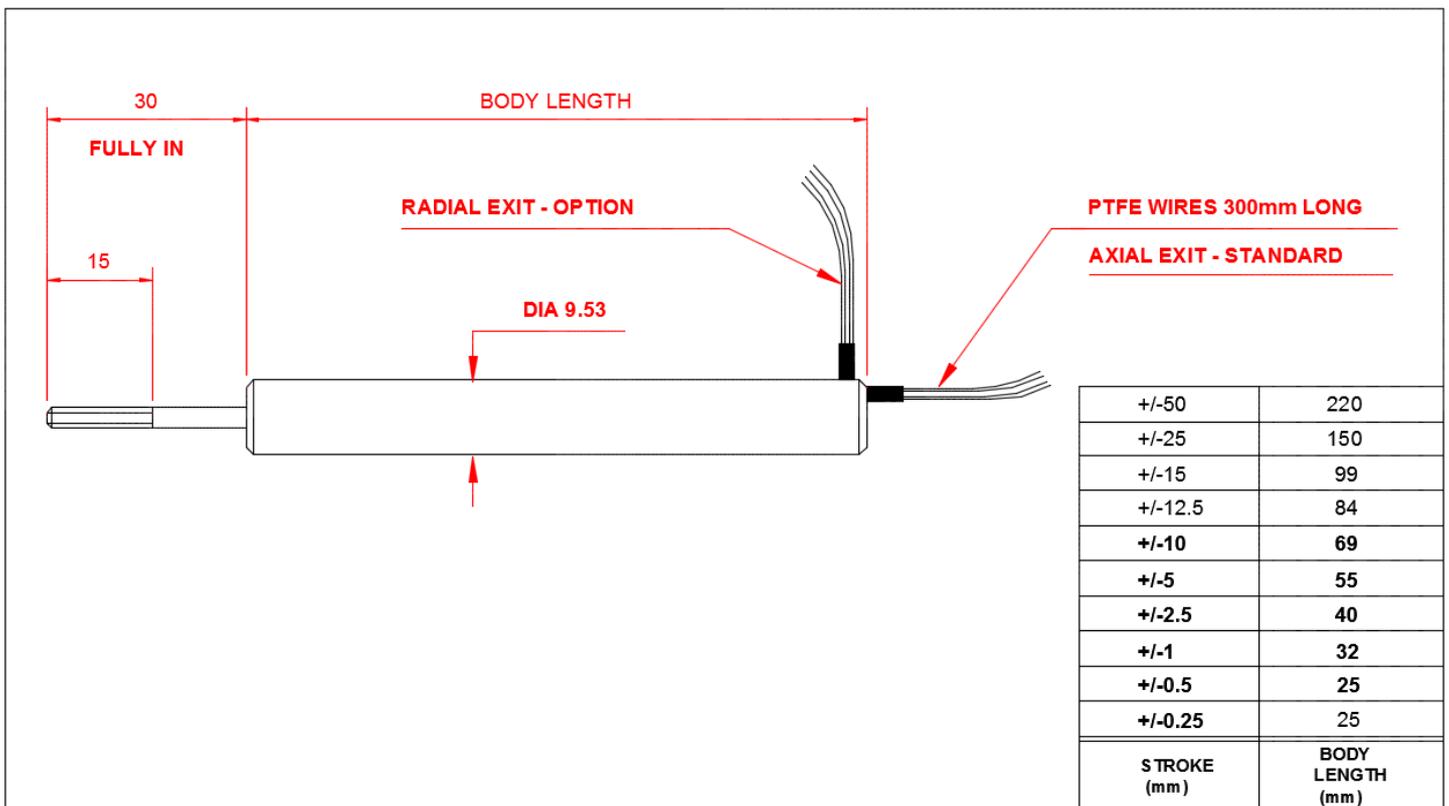
Technical Specification

| | |
|-------------------------|---|
| Product Code | MX |
| Stroke | ±0.25mm to ±50mm |
| Input Voltage | 5V RMS @ 3kHz (others available) |
| Sensitivity | 25 – 800mV/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 + 200° 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 wires and case) |
| Dielectric Strength | 500V RMS for one minute (between wires and case) |
| Magnetic Shielding | Internal magnetic shielding |
| Construction Material | Stainless steel |
| Sealing | IP55 |

Option Description

| | |
|----|-----------------------------------|
| C | Radial cable exit |
| J | 4 wire device |
| H | High temperature 150°C |
| VH | Very high temperature 200°C |
| L | Increased linearity, $\pm 0.25\%$ |

Dimensions



Connection Details

4 Wires (PTFE)

Red : Primary +ve
Yellow : Primary -ve
Blue : Secondary +ve
Green : Secondary -ve

6 Wires (PTFE)

Yellow : Primary +ve
Black : Primary -ve
Blue : Secondary 2 -ve (Centre Tap)
Brown : Secondary 2 +ve
Green : Secondary 1 +ve
Red : Secondary 1 -ve (Centre Tap)