

## Main Features

- Heavy duty stainless steel construction
- Magnetically shielded
- Axial or radial exit
- Captive guided extension with ball end
- Internal spring
- Sealed to IP65 or IP68
- 4 or 6 wire 2M PVC cable



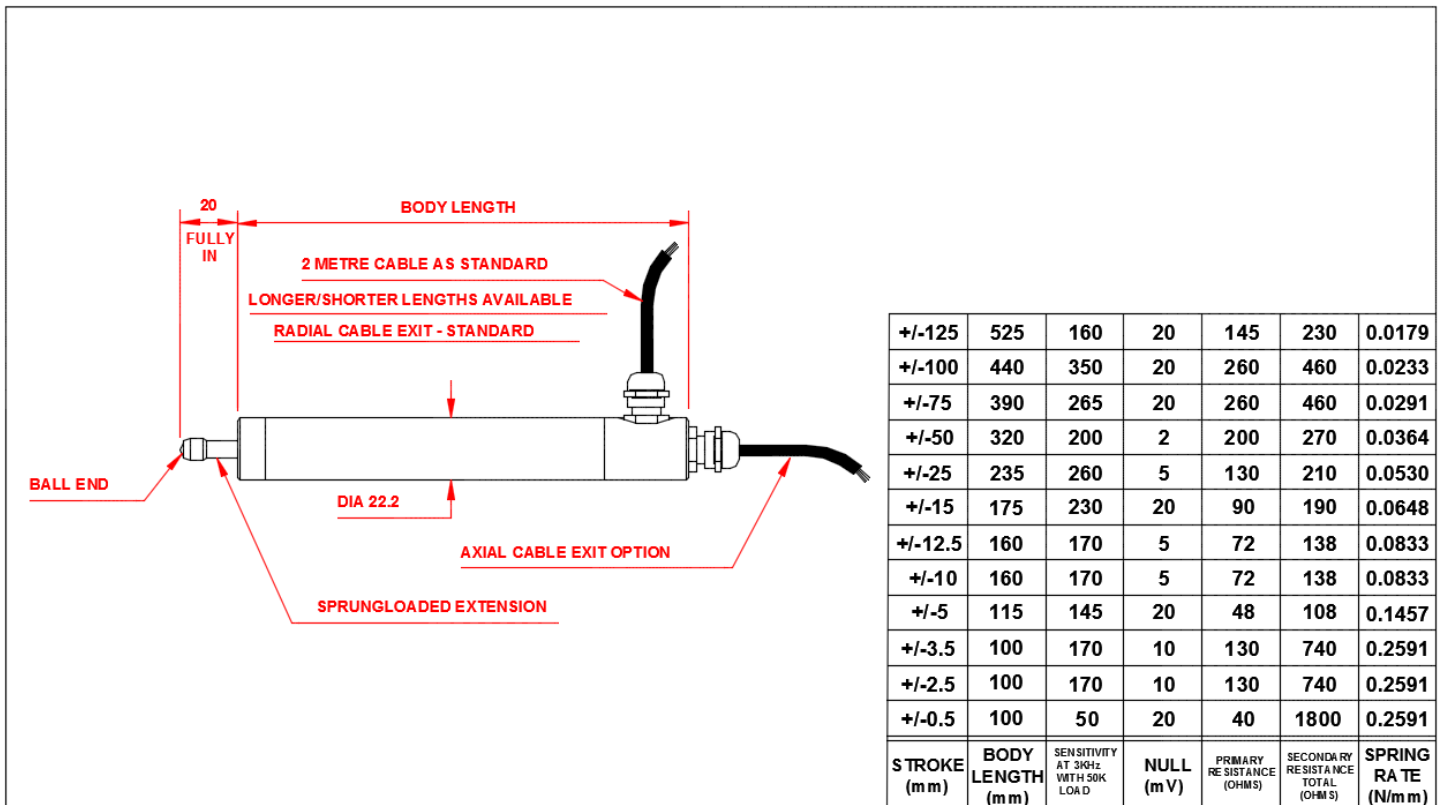
## Technical Specification

Product Code	IES
Stroke	±0.5mm to ±550mm
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 wires and case)
Dielectric Strength	500V RMS for one minute (between wires and case)
Magnetic Shielding	Internal magnetic shielding
Construction Material	Stainless steel
Sealing	IP65

## Option      Description

A	Axial cable exit
J	4 wire device
G	Extension rod wiper
W	Waterproof IP68
H	High temperature 150°C, with PTFE cable
Z	Armoured hose
L	Increased linearity, $\pm 0.25\%$

## Dimensions



## Connection Details

### 4 Wires (PVC or PTFE, High Temperature 150°C)

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

### 6 Wires (PVC)

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

### 6 Wires (PTFE, High Temperature 150°C)

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)