

## 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
- 2M PVC cable



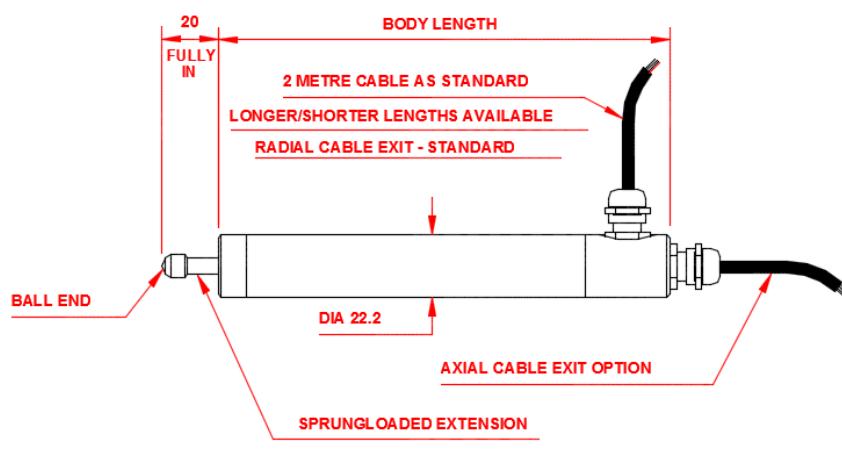
## Technical Specification

Product Code	IES
Stroke	$\pm 0.5\text{mm}$ to $\pm 125\text{mm}$
Input Voltage	9-24 VDC (dependent on conditioning unit)
Non-Linearity	$\pm 0.5\%$ 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
Vibration Resistance	20g up to 2kHz
Shock Resistance	1000g for 10 milliseconds
Insulation Resistance	Above $10\text{M}\Omega$ 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
G	Extension rod wiper
W	Waterproof IP68, with PU cable
I	4-20mA Output (Datasheet SS0192)
U	0-5V Output (Datasheet SS0394)
U-10	0-10V Output (Datasheet SS0394)
D	DC Bipolar Output (Datasheet SS0393)
Y	Reverse output (e.g. 4mA fully in instead of default 20mA)
Z	Armoured hose
L	Increased linearity, $\pm 0.25\%$

## Dimensions



STROKE (mm)	BODY LENGTH (mm)	SPRING RATE (N/mm)
+/-125	525	0.0179
+/-100	440	0.0233
+/-75	440	0.0233
+/-60	370	0.0291
+/-50	370	0.0291
+/-40	305	0.0389
+/-25	285	0.0416
+/-20	285	0.0416
+/-15	225	0.0555
+/-12.5	210	0.0614
+/-10	180	0.0729
+/-5	165	0.0897
+/-2.5	140	0.1166
+/-0.5	130	0.1295