

Main Features

- Heavy duty stainless steel construction
- Magnetically shielded
- Radial exit
- Captive guided extension
- Mild steel M6 Rod end bearings
- Sealed to IP65 or IP68
- 2M PVC cable



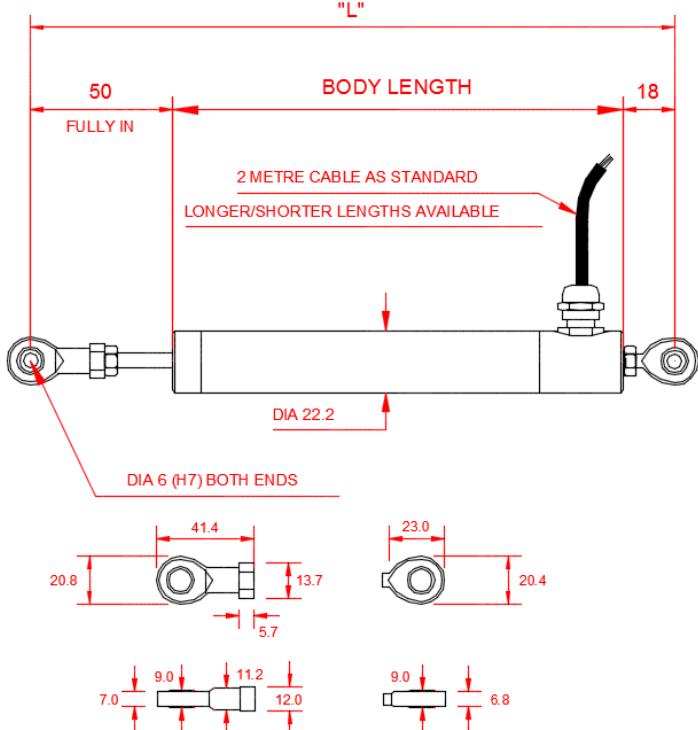
Technical Specification

Product Code	IER
Stroke	±0.5mm to ±550mm
Input Voltage	9-24 VDC (dependent on conditioning unit)
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
Vibration Resistance	20g up to 2kHz
Shock Resistance	1000g for 10 milliseconds
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

G	Extension rod wiper
W	Waterproof IP68, with PU cable and stainless steel M6 rod end bearings
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



The technical drawing illustrates the physical dimensions of the LVDT. The front view shows the body length (50 mm), the cable length (2 meters standard, with longer or shorter options available), and the rod end bearing dimensions (DIA 22.2 mm, DIA 6 (H7) at both ends, and a cross-sectional view of the bearing with dimensions 41.4, 13.7, 5.7, 20.8, 23.0, 20.4, 9.0, 11.2, 12.0, 7.0, and 6.8 mm). The cross-sectional view shows the internal structure of the bearing with its various components and their respective dimensions.

± 550	1460	1528
± 500	1460	1528
± 400	1200	1268
± 300	970	1038
± 250	860	928
± 200	750	818
± 175	665	733
± 150	610	678
± 125	550	618
± 100	500	568
± 75	440	508
± 50	370	438
± 25	285	353
± 15	225	293
± 12.5	210	278
± 10	180	248
± 7.5	165	233
± 5	165	233
± 2.5	140	208
± 0.5	130	198
STROKE (mm)	BODY LENGTH	"L"