

Industrial Series DC LVDT With M8 Rod End Bearings

Main Features

- Heavy duty stainless steel construction
- Magnetically shielded
- Radial exit
- Non-captive guided core & extension
- Mild steel M8 Rod end bearings
- Sealed to IP65 or IP68
- 2M PVC cable



Technical Specification

Product Code	IER-M8	
Stroke	±0.5mm to ±550mm	
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 $10M\Omega$ 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	





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Option Description

G Extension rod wiper

W Waterproof IP68, with PU cable and stainless steel M8 rod end bearings

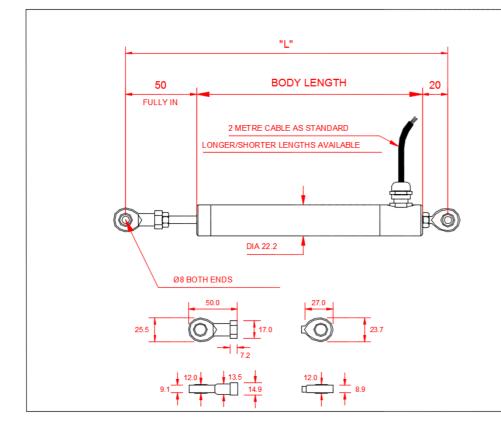
I 4-20mA Output (Datasheet SS0192)
U 0-5V Output (Datasheet SS0394)
U-10 0-10V Output (Datasheet SS0394)
D DC Bipolar Output (Datasheet SS0393)

Y Reverse output (e.g. 4mA fully in instead of default 20mA)

Z Armoured hose

L Increased linearity, ±0.25%

Dimensions



+/-550	1460	1526
+/-500	1460	1526
+/-400	1200	1266
+/-300	970	1036
+/-250	860	926
+/-200	750	816
+/-175	665	731
+/-150	610	676
+/-125	550	616
+/-100	500	566
+/-75	440	506
+/-50	370	436
+/-25	285	351
+/-15	225	291
+/-12.5	210	276
+/-10	180	246
+/-7.5	165	231
+/-5	165	231
+/-2.5	140	206
+/-0.5	130	196
STROKE (mm)	BODY LENGTH	"L"

