

# 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	±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

Monitran Ltd | Monitor House | 33 Hazlemere Road | Penn | Bucks | UK | HP10 8AD Telephone +44 (0)1494 816569 | E-mail info@monitran.com | Website www.monitran.com



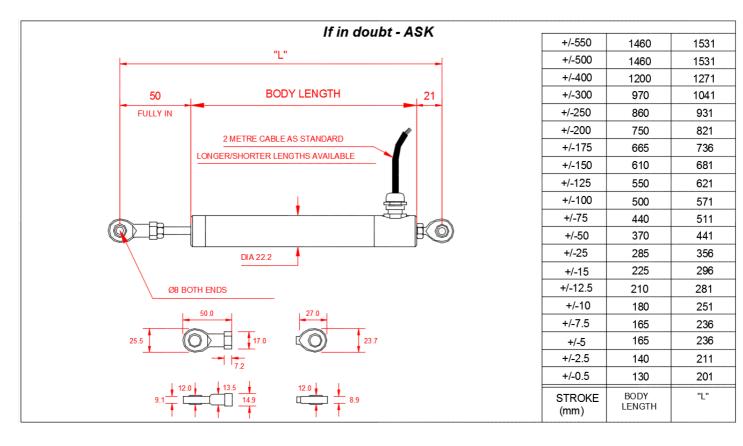


## Industrial Series DC LVDT With M8 Rod End Bearings

#### **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**



ISO 9001 Rightmed Campury SSIRCE CERTIFICATION

Monitran Ltd | Monitor House | 33 Hazlemere Road | Penn | Bucks | UK | HP10 8AD Telephone +44 (0)1494 816569 | E-mail info@monitran.com | Website www.monitran.com

We reserve the right to alter specifications without prior notice.