DATASHEET

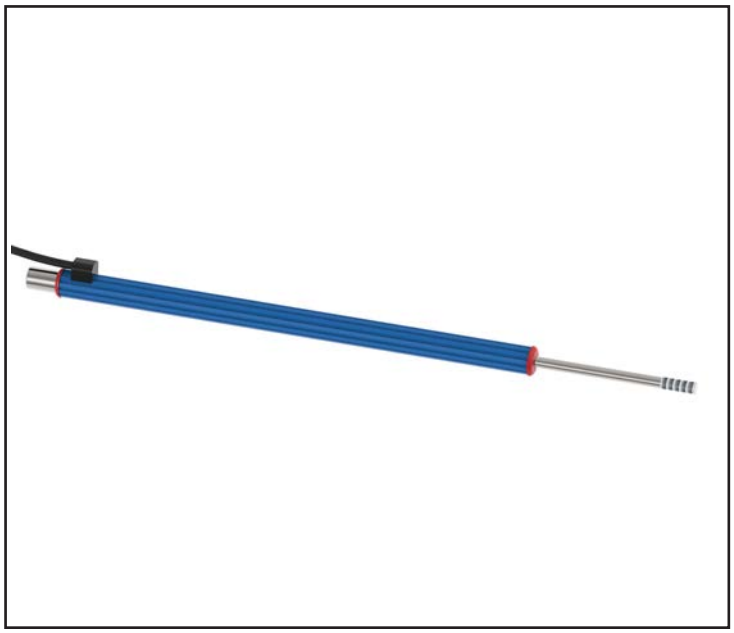
LP Displacement Gauge LPDT-5510

Geosense® LPDT-5510 series of spring-loaded linear potentiometer displacement gauges cover displacement ranges up to 75mm. They can be incorporated into products such as crack meters, displacement gauges and rod extensometers

GEOSENSE

Linear Potentiometer Displacement Gauge LPDT-5510

Overview



APPLICATIONS

For use with:

- Crack Meters
- Borehole Rod Extensometers
- Displacement Gauges

FEATURES

- Reliable long-term performance
- Rugged, suitable for demanding environments
- High accuracy
- Low noise output signal
- Ultra-slim 13mm

Geosense® LPDT-5510 series of spring-loaded linear potentiometer displacement gauges cover displacement ranges up to 75 mm.

They can be incorporated into many displacement products such as rod extensometers, crack meters and displacement gauges.

Constructed from aluminium alloy and stainless steel, they are lightweight but robust making them ideal for the harsh environments found within civil engineering.

The data from the Geosense® LPDT-5510 can be monitored by means of a portable read-out unit or connected to an automatic data acquisition system.

CE

Linear Potentiometer Displacement Gauge LPDT-5510

Specifications

DIMENSIONS

Model	Range (mm)	Length Compressed (mm)	Length Extended (mm)	Diameter (mm)
LPDT-5501	25	127	154	13
LPDT-5502	50	152	204	13
LPDT-5503	75	177	254	13

PERFORMANCE

Resolution*	0.01% FS with MP12 readout
Accuracy	< ±0.20% FS
Repeatability	<0.01mm
Nonlinearity	≤0.5% FS

ELECTRICAL

Technology	Conductive plastic
Voltage	6-30VDC
Output	4-20mA
Cable	26 AWG x 3 conductor, FDR 25 sleeve

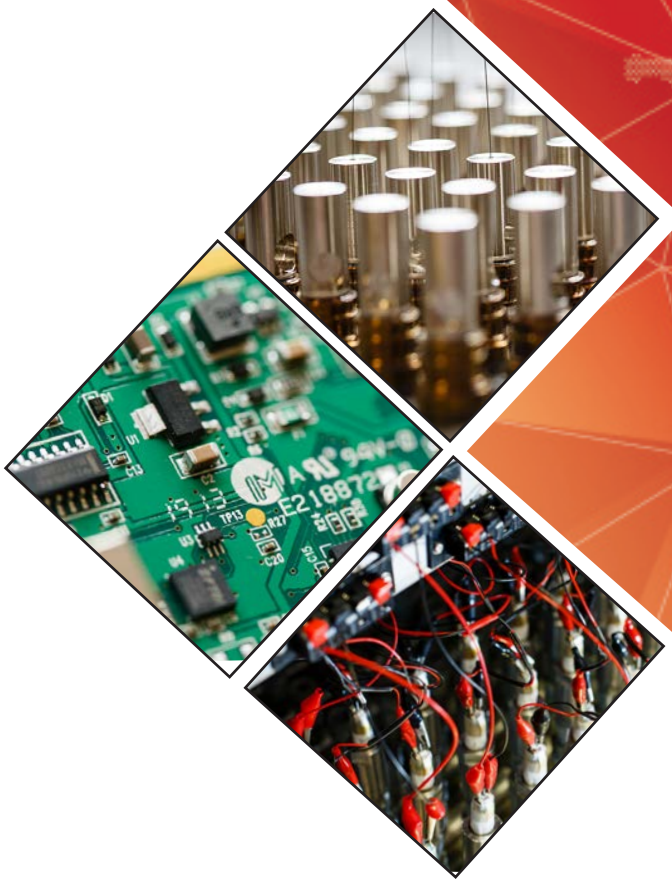
MECHANICAL

Temperature range	-30 °C +125 °C
Protection class	IP67
Body Material	Anodised aluminium
Enclosure Shaft	Stainless steel
Enclosure	IP67

* Readout dependent, may alter with other readout types.

ORDERING INFORMATION

Range	
Cable length	
Readout	



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