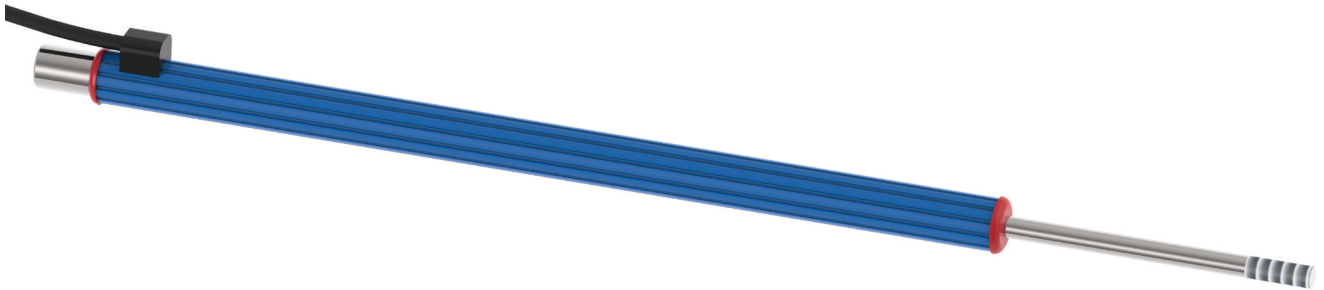


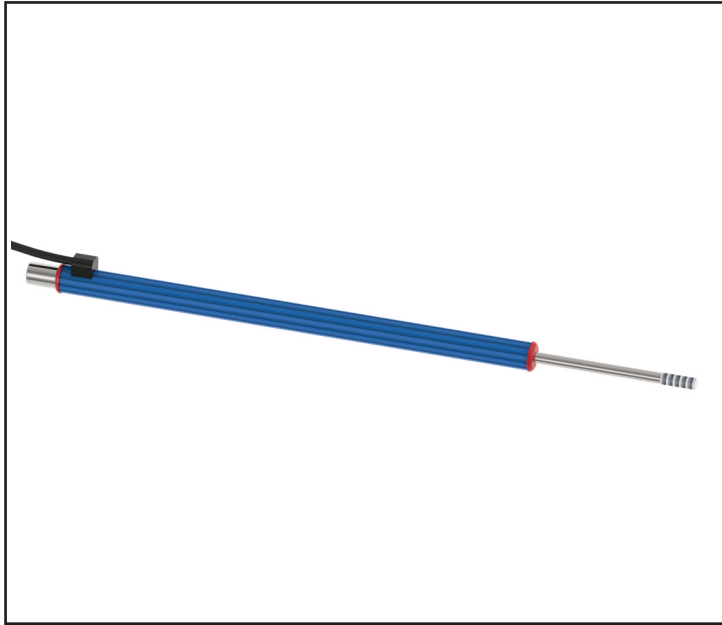
## LP Displacement Gauge LPDT-5500

Geosense® LPDT-5500 series of linear potentiometer displacement gauges cover displacement ranges up to 300 mm. They can be incorporated into many displacement products such as rod extensometers, crack and joint meters, convergence meters, soil extensometers and displacement meters.



# Linear Potentiometer Displacement Gauge LPDT-5500

## Overview



### APPLICATIONS

For use with:

Rod Extensometers

Crack Meters

Joint Meters

Wire Convergence Meters

### FEATURES

Reliable long-term performance

Rugged, suitable for demanding environments

High accuracy

Low noise output signal

Ultra-slim 13mm

Geosense® LPDT-5500 series of linear potentiometer displacement gauges cover displacement ranges up to 300 mm.

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

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-5500 can be monitored by means of a portable read-out unit or connected to an automatic data acquisition system.



# Linear Potentiometer Displacement Gauge LPDT-5500

## 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
LPDT-5504	100	202	304	13
LPDT-5505	125	227	354	13
LPDT-5506	150	252	404	13
LPDT-5507	175	277	454	13
LPDT-5508	200	302	504	13

### PERFORMANCE

Resolution*	0.01% FS with MP12 readout
Accuracy	< $\pm 0.20\%$ FS
Repeatability	<0.01mm
Nonlinearity	$\leq 0.5\%$ FS

### ELECTRICAL

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

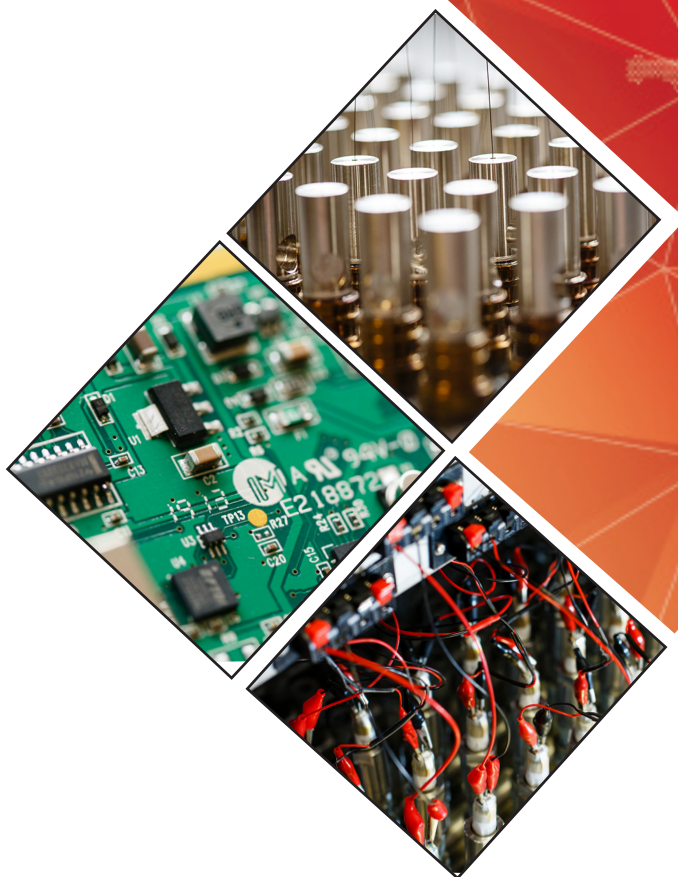
### MECHANICAL

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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