

Linear Position Potentiometer



Advantages & Features

- Low cost
- Long life operation
- Outstanding Linearity
- Very high resolution
- Resistance to shock and vibration

Operation Principle

Linear Position Potentiometer Series is a low cost, high performance which is suitable for wide range industrial and structural monitoring application. The units come out with 100mm measurement range or any other ranges by customer request. It has compact dimension, robust construction, waterproof protection that make it suitable to withstand any harsh condition in the installation sites. Both housing and core are made of corrosion resistant metals, while the housing can act as magnetic shield to prevent external noise caused by electric field. Besides, it is also designed to take a sudden shock loading or to do any measurement in high level vibration environment without any issues.

Application

Linear Position Potentiometer Series is a minitype, self-return sensor, suitable for wide range industrial and structural monitoring application.

Technical Specification

Measurement Range	10mm – 125mm (Optional)
Linear Precision	±0.05% FS
Repeatability Precision	0.01mm
Output	0~100% x input voltage (change with movement of the rod)
Temperature Range	-60°C to +150°C
Temperature Drift	infinitesimal
Sensitivity	1
Material	Corrosion resistant metal
Waterproof	IP65
Very long life	>100*1000000 cycles >25*1000000 m