

Linear Potentiometer Readout

Applications

The Model RB-100 Linear Potentiometer Readout is designed to read...

- **GEOKON® Model 1500** Linear Potentiometers



• Model RB-100 Linear Potentiometer Readout.



• Close-up of Model RB-100 Linear Potentiometer Readout.

Operating Principle

The Model RB-100 Linear Potentiometer Readout is designed to read the range of **GEOKON** Model 1500 Linear Potentiometers.

The unit utilizes a high resolution, 4.5 digit LCD digital voltmeter with circuitry to power and read out the potentiometers. A three wire ratio-metric system is used to minimize errors caused by long lead lengths and varying temperatures. In use, a regulated voltage is applied to the ends of the potentiometer resistance element and the position of a wiper that rides along the element can be determined by the voltage measured at this point. Accuracies of 0.1% of full scale can be achieved using **GEOKON** transducers.

Technical Specifications

Input Range	2, 4, or 6 in
Resolution ¹	±0.001 in
Accuracy	0.1% F.S.
Temperature Range	0°C to +50°C
L × W × H	102 × 165 × 232 mm

¹The RB-100 is available in English measure only.

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