

## Readout Instruments

### Manual/Electronic

Manual readout is performed using the Model 1400-1 Dial Indicator (50 mm range) or 1400-4 Depth Micrometer (50-150 mm range).

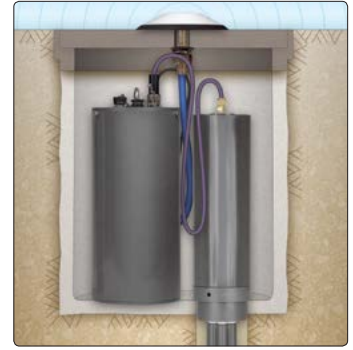
Electronic readout is achieved using Model GK-404 or GK-405 Vibrating Wire Readouts (Model 4450) or the Model RB-100 Linear Potentiometer Readout (Model 1500). (See below).



• Model 1400-1 Dial Indicator (top) and Model 1400-4 Depth Micrometer.

### Automatic Monitoring

Automatic monitoring is best accomplished using the Model 8021 or Model 8025 Dataloggers which can be configured to read at predetermined intervals, and to initiate alarms in the event threshold levels are exceeded. Alternatively, for extensometers installed in active roadways the Model 8026 Wireless Datalogger provides a convenient option.



• Model 8026 Datalogger and Model 1150 (A-3) Extensometer in manhole.

## Sensors

### Model 1450 DC-DC LVDT

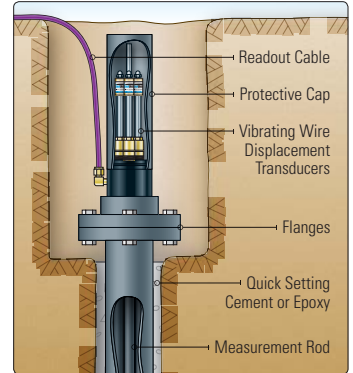
DC-DC LVDT's for dynamic and/or high temperature applications are also available. Standard ranges are 50 mm, 100 mm and 150 mm. Other ranges available on request.



• Model 1450 DC-DC LVDT

### Model 4450 Vibrating Wire Displacement Transducer

The Model 4450 Vibrating Wire Displacement Transducer provides remote readout for **GEOKON** extensometers. They are particularly useful where other types of Vibrating Wire sensors are used and for installations where long cable runs are required.

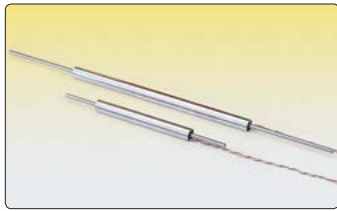


• Model 4450 Extensometer Head Assembly.

### Model 1500

#### Linear Potentiometer

The Model 1500 utilizes a sturdy 6.5 mm diameter rod which protrudes from both ends as the actuating shaft. This facilitates connection of the linear potentiometer to extensometer rods and also permits a mechanical check on the readings using either a dial indicator or a depth micrometer.



• Model 1500 Linear Potentiometers.

### Technical Specifications

Standard Ranges <sup>1</sup>	12.5, 25, 50, 100, 150, 200 mm
Resolution	0.02% F.S.
Accuracy <sup>2</sup>	±0.1% F.S.
Nonlinearity	< 0.5% F.S.
Temperature Range <sup>1</sup>	-20 °C to +80 °C

<sup>1</sup>Other ranges available on request.

<sup>2</sup>Accuracy established under laboratory conditions.

### Technical Specifications

Standard Ranges	50, 100, 150, 200, 250 mm
Least Reading	0.025 mm
Accuracy <sup>1</sup>	±0.25% F.S.
Nonlinearity	< 0.5% F.S.

<sup>1</sup>Accuracy established under laboratory conditions. Accuracy of ±0.1% available on request.