



Sonic Probe Extensometers

Model 3500-GK-701

FEATURES

- **Quick, easy installation and readout**
- **Portable, reusable sonic probe and sensor**
- **Remote electronic readout**
- **Reads inter-anchor strains directly**
- **Up to 20 anchors in one borehole**
- **High accuracy and sensitivity**

APPLICATIONS

The advantage of the sonic probe extensometer lies in their ability to provide electronic readout with maximum simplicity at minimum cost. They are particularly suited to the measurement of rock movements around mines and underground openings.

GEOKON



Description

Flexible sonic probes are constructed in the form of a wand. The wand is inserted into the access tube of the prepared hole. The readout measures the displacement of the anchors with respect to a reference anchor. The readout can also read the inter-anchor displacement.

Model 7300 Flexible Sonic Probe Type uses a probe 10, 20 or 25 feet long inserted inside a guide tube which is located along the borehole axis and which passes through from one to twenty snap-ring, or hydraulic, borehole anchors. A magnet is located within each anchor.

The position of each of the magnets relative to either the

head of the extensometer, or to a neighbouring anchor, is measured and displayed directly on the GK-701 Readout Box.

General

Model GK-701 Sonic Probe Readout is a portable battery-operated, digital readout designed to measure and display the changes in distance between borehole anchors in Geokon model 7000 series sonic probe extensometers when used in conjunction with either rigid or flexible sonic probes.

The principle of the sonic probe relies on the magnetostrictive properties of the probe material.

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