



[Data Sheet >](#)  
[Manual \(A-3\) >](#)  
[Manual \(A-4\) >](#)  
[Manual \(A-5\) >](#)

## Single Point Mechanical Rod Extensometers

### Model A-1

The Model A-1 Single Position Rod Extensometer is a very simple, rugged and reliable instrument, easily installed and completely recessed within the borehole for optimum protection. The Model A-1 is a natural first choice for monitoring the safety in and around tunnels and mine openings.

#### Specifications

Standard Range	up to 100 mm
Least Reading	0.025 mm
Borehole Diameter	35, 44, 51, 64 mm
Maximum Length	10 m

## Multiple Point Rod Extensometers, Groutable Anchor

### Model A-3

The Model A-3 Multiple Point Rod Extensometer is the preferred design for installation in downward directed boreholes which are easily filled with cement grout. Up to eight anchors can be installed, at various depths, in a 76 mm diameter borehole providing the capability to locate multiple failure planes and zones of movement.

#### Specifications

Standard Range	up to 300 mm nominal
Least Reading	0.025 mm
Borehole Diameter	76 mm or over
Maximum Length	100 m

## Multiple Point Rod Extensometers, Snap-Ring Anchor

### Model A-4

The Model A-4 Multiple Point Rod Extensometer with Snap-Ring Anchors is quickly and easily installed in boreholes in hard or competent rock. Anchors are pushed to the required depth on the end of setting rods and then a cord is pulled to remove the locking pin which allows two retaining rings on each anchor to snap outward and grip the borehole. Up to eight anchors can be installed, at various depths, in a 76 mm diameter borehole. Particularly useful in upward directed boreholes.

#### Specifications

Standard Range	up to 300 mm nominal
Least Reading	0.025 mm
Borehole Diameter <sup>1</sup>	38 mm to 76 mm
Maximum Length	50 m

<sup>1</sup>Any borehole diameter up to 76 mm may be specified. Note that the size of the borehole required increases with the addition of more measuring points.