

## LONG TRAVEL EXTENSOMETER

RoboTest Long Travel Extensometer Model RTLE802A is a precise device for measuring strain in highly extensible materials such as elastomers, semi-rigid plastics and films.

### PRINCIPLE OF OPERATION

The high elongation extensometer is designed to clamp directly onto a specimen quickly and easily. It will adjust to incremental gauge lengths ranging from 10 mm or 20mm or 25mm to 800 mm. The equipment will accommodate up to 10 in of clamp displacement and is specifically designed to permit testing the sample through rupture without damaging the extensometer or otherwise disrupting the test routine.

The extensometer is based on a pair of carefully counterbalanced clamp assemblies which drive a potentiometer through connecting cables. Both clamps move freely but any increase in the separation or differential motion will advance the transducer.

The upper and lower specimen clamps are separately counterbalanced and guided on a polished and ground shaft with linear bearings so that none of the extensometer's weight is applied to the specimen.



### FEATURES

Gauge Length: 10mm, 20mm, 25mm, 50mm

Measurement range: 10~ 800 mm

Resolution: 0.01 mm

Accuracy: 1%

Standard: BS 5214