Zwick / Roell

Zwick
Materials Testing

Product Information

zwicki longstroke extensometer

Applications area

The zwicki Longstroke extensometer is suitable for direct elongation measurements on all extendable materials such as rubber, plastic, leather, textiles etc. It serves for exact determination of yield strengths and extension at break in tensile tests. The standardized Young´s or Secant modulus determinations with the gage lengths prescribed, is not possible at this time.

Advantages

- The resolution is high over the entire measurement range
- They have a very large measurement travel (minus L_0)
- The drag forces are extremely low
- It is robustly built and has a measurement system that is insensitive to impact loading
- The measurement carriage's low friction bearing minimises transmission errors

Zwick / Roell

Zwick
Materials Testing

Product Information

zwicki longstroke extensometer

Item number	085797
Longstroke extensometer for zwicki TN and zwicki TH. Not for zwicki type TS!	
Initial gage length	10 ... 200 mm
Measurement displacement	800 mm (minus L_0)
Setting of gage length	manual infinitely variable by a scaled swing
Resolution	3 µm
Drag force	max. 0.2 N
Specimen dimensions t x w	20 x 50 mm
Setting of sensor arms	manual
Size (Width x Height x Depth)	82 x 1170 x 180 mm
Accuracy grade 1 according to EN ISO 9513 at 2 mm and higher	
Here is required:	
1 incremental measurement module, item number	**046637**

Optional accessories

Knife edges

Knife edges made of steel are included in scope of supply, each consists of a straight and a convex side (rotatable).

Description	Item number
Interchangeable corund knife edges (straight/straight),	**324511**
Interchangeable Vulkollan knife edges with spring steel bonded (straight/straight),	**031216**
Interchangeable hard metal knife edges (straight/convex)	**037646**
Scope of supply: 1 set (= 4 pieces)	

Automatic clamping of the sensor arms to the specimen

Description	Item number
After starting the test the sensor arms are clamped automatically, once the test is ended they are automatically unclamped	**022810**