EXTENSOMETER, COMPRESSOMETER

Aluminium and steel structure incorporating a high precision inductive transducer. Three units are generally recommended for axial deformation measurement. They can be easily applied to the specimen by a pair of elastic bands supplied as standard. It has to be connected to a suitable data logger or, directly to our Automatic control consoles MCC or Automax Multitest which can provide cyclic loading and automatic determination of the Modulus of Elasticity.

A data logger as, for example, our model 82-P9008, can be used with compression testers for axial deformation measurement when it's not mandatory to perform loading / unloading cycles, but only loading ramps. In this case, one of the channel of the data logger should be used for the load signal coming from an additional pressure transducer with 3 way connector fitted to the compression tester. Please get in touch with our technicians for complete information and service.

EXTENSOMETER, COMPRESSOMETER

SPECIFICATION

- Inductive transducer:
  - Sensitivity 0.02 micron
  - Feed up to 10 V
  - Travel ± 1.5 mm
- Gauge length: adjustable from 50 to 160 mm
- Minimal axial dimension: 150 mm
- Full travel mechanical stop to prevent damage

STANDARDS

- ASTM C469
- ISO 6784
- DIN 1048
- UNI 6556

FEATURES

- Ideal for axial deformation measurement:
- Modulus of Elasticity
- Uniaxial Secant Elastic Modulus
- High sensitivity: 0.02 micron
- Suitable for various sample size: cylinders up to dia. 160x320mm, cubes up to 200 mm, prisms 40x40x160 mm etc.
- Easy and quick application to the specimen
- Can be directly connected to our Automatic control consoles Automax Multitest or MCC

ORDERING CODE

55-C0222/H

Electronic universal extensometer/ compressometer for cylinders, prisms and cubes. Supplied with short distance piece for use with prisms 40x40x160 mm and 2 elastic bands