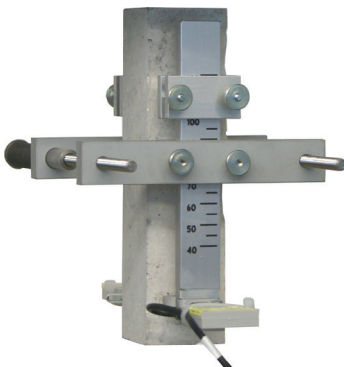
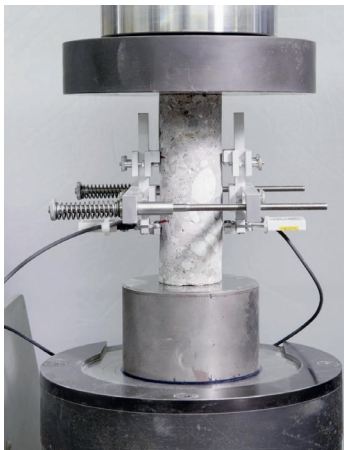


## Axial Extensometer (Compressometer) for Mortar, Cement, Concrete and Rock Type BD 25/50

The BD 25/50 axial extensometer is designed for the determination of the modulus of elasticity in compression of mortar, cement, concrete, rock and other materials.

The extensometer can be configured to be attached to cylinder, cores, and prisms in different dimensions.



This model measures axial strain on opposite sides of the test specimen with independent outputs making the BD 25/50 suitable for the determination of the Young's modulus on concrete in accordance with EN 12390-13, ASTM C469, ISO 6784 and DIN 1048-5.

The test procedure according to EN 12390-13 assess that the specimen centring should be controlled twice. The first time after the second loading and unloading cycle, and the second time after the third loading. After the second cycle of lading and unloading the deviation of the strain values of the two sides cannot excel +/-20% of the mean strain values. When the difference is greater, the specimen should be centred again. In the case of a second control, the difference may not exceed 10% of the strain average value.

When this extensometer is used with our Proteus application software, beside of the average value also both single values are displayed with automatic observation of the deviation in accordance with EN 12390-13.

### Features

- Full bridge 350 ohm strain gaged design for compatibility with nearly any test system
- High accuracy unit
- Dual independent output (averaging box optional available)
- Suitable for large range of specimen sizes and shapes
- Easy mounting
- Self-supporting on the specimen
- Adjustable clamping force
- Supplied in high quality wood lined case

### Technische Daten

Measuring Range	±2 mm (⇒2 mV/V)
Measuring Accuracy	Grade 0.5 according to ISO 9513 ASTM class B-1
Linearity Error including Hysteresis	≤ 0.05 %
Gauge Length (adjustable)	40 – 220 mm
Quickset clamps for specimen	∅ and □: 30-160 mm
Sensor Type	2 x HBM – DD1
Temperature range	-10°C up to +60°C
Includes high quality wood lined case	

### Accessories:

- Electronic box for averaging output
- Clamps for larger diameters and greater gauge lengths
- Digital transducer indicators with measuring amplifier for universal use