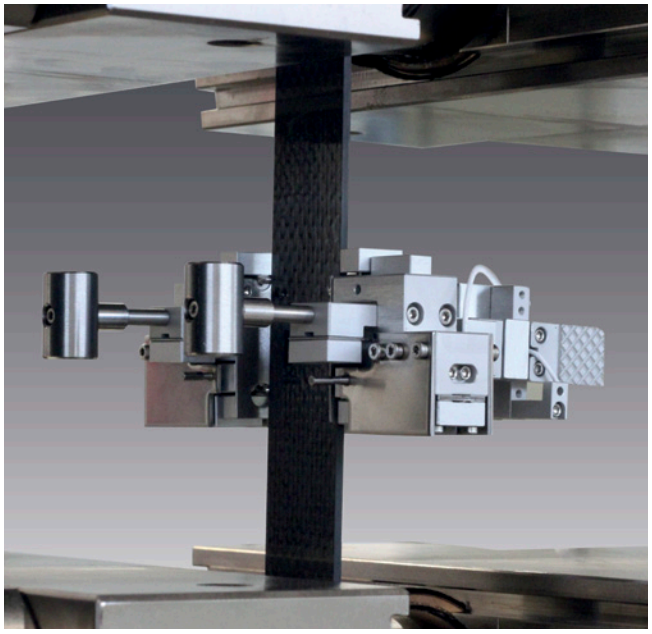
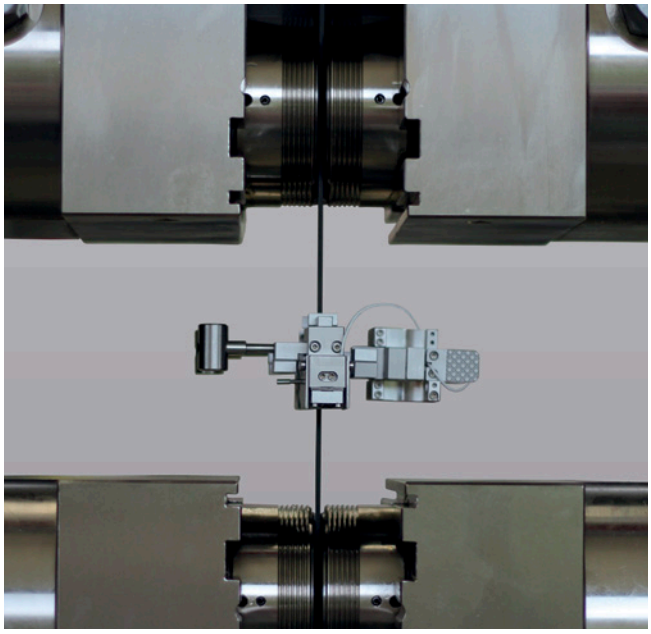
Zwick / Roell

Zwick
Materials Testing

Product Information

Biaxial clip-on extensometer





Range of application

The biaxial clip-on strain-gage extensometer can be used specifically to determine extension and change in width of specimens of fiber-reinforced composites or metals. This clip-on extensometer is suitable for determining the in-plane shear modulus (IPS) and for determining Poisson's ratio. The strain-gage-based clip-on extensometer's wide temperature range of -70 to +200 °C makes it particularly suitable for use in temperature chambers.

Advantages/characteristics

- High temperature range of -70 to 200 °C
- To determine extension and change in width of specimens of fiber-reinforced composites or metals

Product Information

Biaxial clip-on extensometer

Item Number	057806[1]
Biaxial clip-on strain-gageextensometer for AllroundLine testing machines	
Measuring system	bi-directional strain-gage system
Measurement travel	
tension	1.2 mm
compression	0.5 mm
Initial gage length	L_0 25 mm
Measurement travel for change of width	+/-0.5 mm
Round specimens	up to 38 mm diameter
Flat specimens	
Specimen width	max. 60 mm
Specimen thickness	max. 34 mm
Measured-value resolution depends on electronics, see electronics resolution	
Accuracy class	0.5 to EN ISO 9513
Weight	200 g
Overall height	39 mm
Number of sensors	3
Type of output signal (extension)	mean value
Type of output signal (change of width)	single signal
Temperature range	-70 … 200 °C

[1] Also required: USC-Module 2 x required