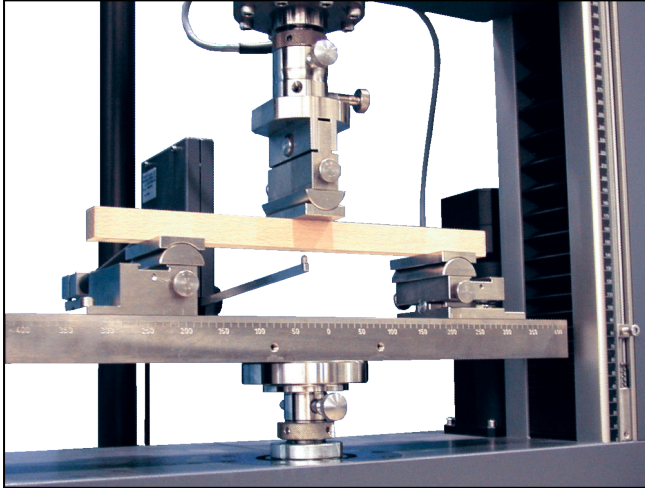


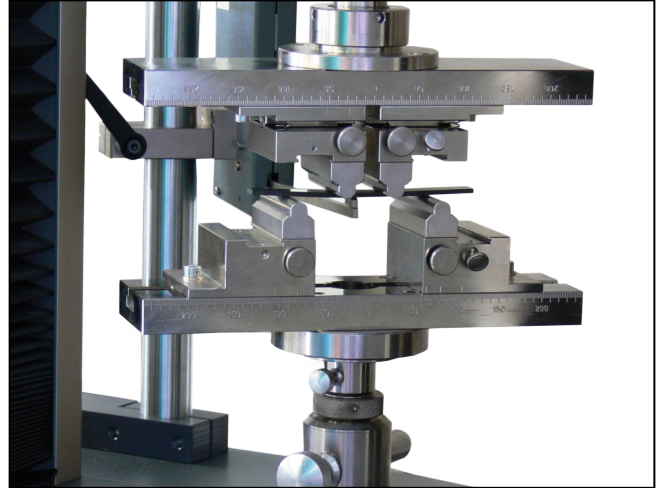
Product Information

Travel transducers for compression and 3- or 4-point flexure tests

CTA: 45067 45200



Displacement transducers for 3-point flexure tests



Displacement transducers for 4-point flexure tests

Applications

These displacement transducers are digital measuring systems which are attached directly to the specimen. With a measurement travel of 50 mm they are designed for flexure tests in accordance with ISO 178 on rigid and semi-rigid plastics. They are suitable for measuring deflection on the underside of the specimen in 3-point flexure tests or the deformation path in compression tests.

For 3 and 4-point flexure tests to the following standards

- Plastics:
ISO 178, ASTM D790, ISO 14125 Type I
- Fiber-reinforced composites:
ISO 14125, EN 2562, EN 2746, ASTM D7264, ASTM D790, ASTM D4476, ASTM D6272
- Wood (3-point flexure tests):
DIN 52186, ISO 3133, EN 310, ASTM D3043
- Wood (4-point flexure tests):
DIN 52186

Advantages and features

- Easy to operate.
- Direct deflection measurement centrally below specimen.
- High measurement accuracy for determination of flexure modulus.
- Low drag-force.
- Manual or (optional) motorized attachment.

Product Information

Travel transducers for compression and 3- or 4-point flexure tests

Technical data

- Displacement transducer with bracket for mounting on testing system
- All displacement transducers can be used with testXpert Version 8.11 onwards (drive unit not used)

Type Item No.	Displacement transducer for compression tests or for 3 or 4-point flexure tests 057092 ¹⁾	Displacement transducer for compression tests or for 3 or 4-point flexure tests 085826 ¹⁾	
Measurement travel	50	50	mm
Accuracy to EN ISO 9513	Class 1	Class 1	
Resolution	0.25	0.05	µm
Dimensions			
Height	168	168	mm
Length (with sensor arm)	120 (313)	120 (313)	mm
Depth	27	27	mm
Length of feeler arm	271	271	mm
Ambient temperature	+10 ... +35	+10 ... +35	°C
Weight	0.2	0.2	kg

¹⁾ An adapter (Ø = 20 mm, Item No. 314634 or Ø = 36 mm, Item No. 314658 or Ø = 60 mm, Item No. 314656) is required for the 3-point flexure test kit to enable the transducer to be positioned at a suitable height.

Accessories required

Required module

Description	Item number
Incremental measurement module	046637

Optional accessories

Drive unit

Description	Item number
Drive unit for displacement transducer ¹⁾ (can be used with testXpert from Version 10.0 onwards)	060974

¹⁾ Cannot be used in conjunction with safety device for zwickiLine.