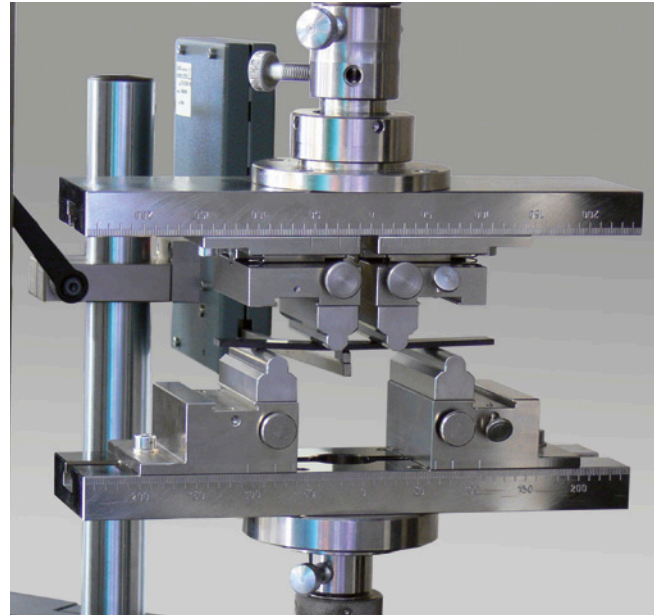
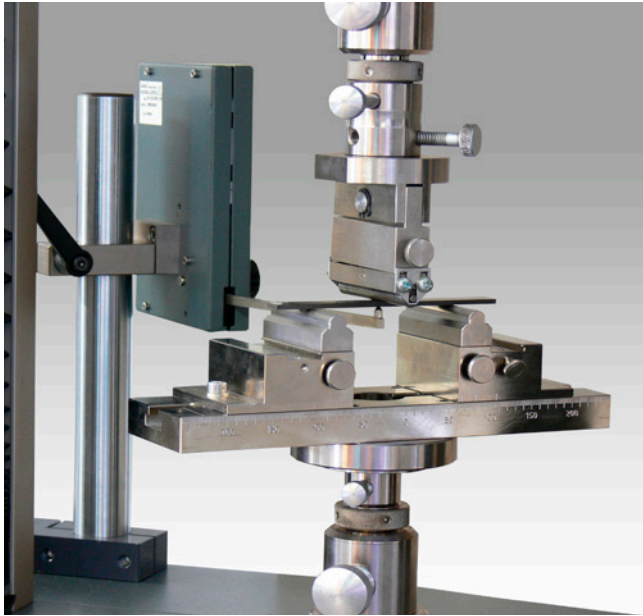


Product Information

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



Range of application

These displacement transducers are digital travel-measurement systems which are applied directly to the specimen. For 3 and 4-point flexure tests to the following standards:

Plastics:

ISO 178, ASTM D 790, ISO 14125 - Type I

Fiber-reinforced composites:

ISO 14125, EN 2562, EN 2746, ASTM D 7264, ASTM D 790, ASTM D 4476, ASTM D 6272

Wood (3-point flexure tests):

DIN 52186, ISO 3133, EN 310, ASTM D3043

Wood (4-point flexure tests):

DIN 52186

Advantages

- Easy to operate
- Direct measurement of deflection centrally below the specimen
- High measurement accuracy for determination of flexure modulus
- Low measurement force
- Manual application or optional motorized application

Product Information

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

Description	ProLine/ zwickiLine	AllroundLine
Displacement transducer for compression tests and 3 and 4-point flexure tests, with support bracket for mounting on the testing machine, measurement travel 50 mm, resolution 0.5 µm.	320216⁽¹⁾	057092⁽¹⁾
Displacement transducer for compression tests and 3 and 4-point flexure tests, with support bracket for mounting on the testing machine, measurement travel 50 mm, increased resolution 0.25 µm.	320218⁽¹⁾	057840⁽¹⁾
Here is required:		
1 incremental measurement module	318872	057854

⁽¹⁾ 1 For the 3-point flexure test kit used here an adapter Ø = 20 mm (Item No. 314634), Ø = 36 mm (314658) or Ø = 60 mm (314656) is required in order for the transducer to be located at a sufficient height.

Technical data	320216	320218	057092	057840
Measurement range	50 mm	50 mm	50 mm	50 mm
Resolution	0.25 µm	0.1 µm	0.25 µm	0.1 µm
Accuracy grade	Class 1	Class 1	Class 1	Class 1
Measuring force	0,35.....0,6 N	0,35.....0,6 N	0,35.....0,6 N	0,35.....0,6 N
Height x Width x Depth	168 x 313 x 44.5 mm	168 x 313 x 44.5 mm	168 x 313 x 44.5 mm	168 x 313 x 44.5 mm
Stylus length	271 mm	271 mm	271 mm	271 mm
Temperature range	10°C ...35°C	10°C ...35°C	10°C ...35°C	10°C ...35°C
Weight	1.469 kg	1.469 kg	1.469 kg	1.469 kg

Drive system (Option)	Item number
Drive system for transducer. Can be used in conjunction with ProLine/ zwicki-Line	320313
Drive system for transducer. Can be used in conjunction with AllroundLine	060974