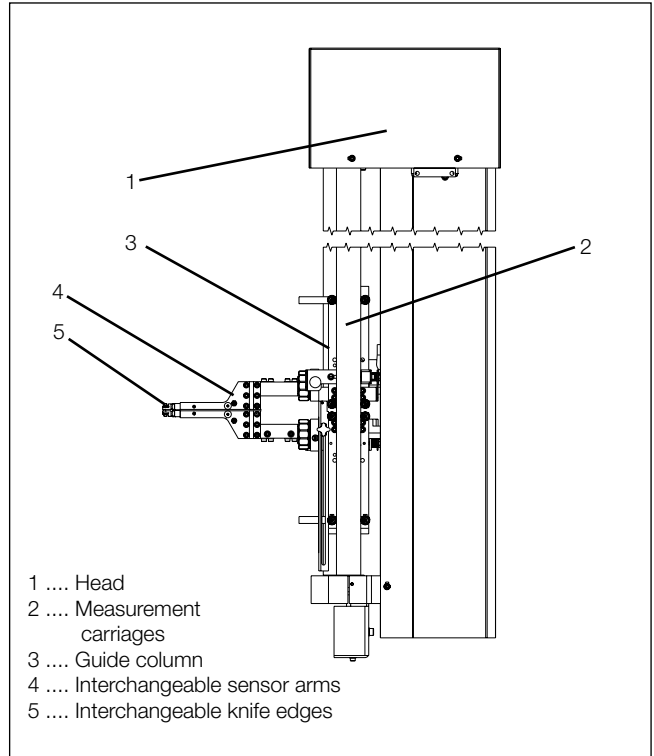
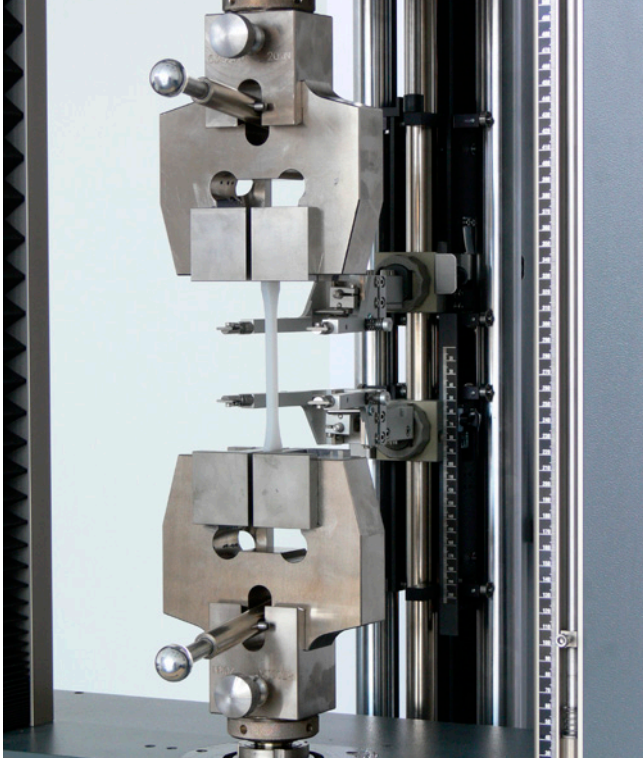


Product Information

Longstroke extensometer



Range of applications

- The long travel extensometer has been designed for testing on elastic plastics, elastomers, foils, textiles, leather and similar elastic materials.
- It is especially used for direct extension measurement on specimen with medium and large extensions in tensile or hysteresis tests and also in temperature chambers with extended sensor arms.
- Safe operation is ensured, even with whipping specimen, e.g. elastomers, through a solid mechanical construction of the guiding elements and the tiltable knife edges.

Advantages of the longstroke extensometer

- Can be used up to specimen break, even with high forces and brittle specimen material.
- Resolution is high over the entire measurement range.
- It has a very large measurement path.
- Synchronous force-travel recording.
- The drag forces are very small.
- The long travel extensometer can be combined with all analog and incremental clip-on extensometers.
- Control of the extensometer is via the testing program. The sensor arms are electromechanically clamped at the beginning of test, unclamped at the end of test, and the initial gage length is set again.

Product Information

Longstroke extensometer

		Item number
Max. measurement range (minus initial gage length)	1000 mm	057080
Gage length	10...200 mm	
Resolution	1.5 µm	
Accuracy grade 1 according to EN ISO 9513	at 1 mm and higher	
Drag force	max. 0.2 N	
Specimen thickness, - diameter	max. 30 mm	
Specimen width	max. 60 mm	
Open and close sensor arms	motor-driven	
Size (Width x Height x Depth)	192 x 1760 x 280 mm	
Also required:		
Incremental card		046637

Necessary accessories

Item number	325890	325892	325894	325896	Unit
Description	Sensor arms for tensile tests... at ambient temp.	at ambient temp. and specimen width ≤ 110 mm	for TC in TM, max. + 250 °C	for TC in FM, max. + 250 °C	
Sensor arm length	300	300	450	600	mm
Measurement range of sensor arms	1000 - L ₀	1000 - L ₀	1000 - L ₀	1000 - L ₀	mm
Resolution	1.5	1.5	1.5	1.5	µm
Sensor arms closing force	0.1 up to 1 N manually adjustable				
Scope of supply	1	1	1	1	pair

Abbreviations: TC = Temperature chamber, TM = Table-top testing machine, FM = Floor testing machine

Additionally available:

- knife edges
- mounting kit
- swivel unit

