



Product information

Lateral extensometers MFQ-H and MFQ-R

for flat and round specimens, with 1 or 2 measuring points





Application:

The hand-clamped transverse extensometers MFQ-H and MFQ-R are designed for measuring the width of sheets and round specimen. This is used to determine both the vertical anisotropy "r" and Poisson's value.

Both models are available with either **one or two measuring points**. While the **MFQ-H has fixed B₀ stops** for different sheet widths, the initial measurement widths can be **infinitely flexibly adjusted with MFQ-R**.

Characteristics and special features:

- Small and lightweight design
- Comfortable clamping
- Easy adjustment to different diameters of specimens
- Maintenance of the position of the measuring points also during the tensile test, through a smooth-running guide rail system (MFQ with two measuring heads)
- Can be combined with e.g. MFA 2 or MFA 25 for recording the bi-axial strain
- Special versions of the lateral extensometers are available for climatic chamber applications from -55°C to +200°C

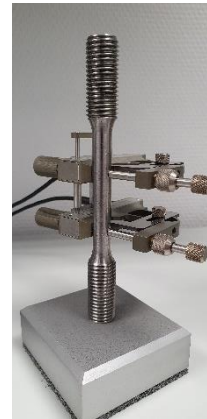


Fig. 1: MFQ-R2
2 measuring points



Fig. 2: MFQ-R
1 measuring point

Technical data:

	MFQ-H	MFQ-H2	MFQ-R	MFQ-R2
Item number	15-019-300	15-019-302	15-019-301	15-019-304
Measuring points	1	2	1	2
Measuring range	4 mm		4 mm (optional 6 mm)	
Specimen diameter round specimen / specimen width flat specimen	20 mm (optional 10 mm, 1/2", 1")		4 to 25 mm infinitely variable (optional 4-50 mm infinitely variable)	
Specimen thickness flat specimen	0.4 to 30 mm		0.4 to 30 mm	
Weight	100 g	180 g	100 g	180 g
Specimen shape	flat and round specimen			
Accuracy class	0.2 according to EN ISO 9513 (optional 0.5)			
Measuring principle	resistance strain gauge full bridge			
Indication error (of reading)	0.2 %			
Full-scale error	0.05 %			
Indication error	0.6 µm			
Actuation force	4 N			
Temperature range	+1° C bis +60° C			
Included in delivery	<ul style="list-style-type: none"> • Extensometer MFQ • Optionally, but necessary for operation: measured data acquisition card 			