... from development to implementation

Production of materials testing equipment and automation

Extensometers with full deformation

Made in Czech Republic

Labor Tech®

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Extensometers with full deformation

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Extensometers with full deformation

Main features

The strain gauges up to total deformation are used for direct measurement of deformation on the sample without the necessity of manual measurement of the sample after tearing, the so-called Le. They are used for tensile, compressive, bending or fatigue tests with variable load. The strain gauges for complete deformation are offered in several variants from semi-automatic (manual clamping of the tapping of the sample) to fully automatic (with electrical clamping and Le setting).

These length meters are available in several lengths (from 300 mm to 1000 mm), range variants (one and two range), automatic and semi-automatic. The strain gauges up to total deformation can be divided into the following groups:

Manual

Manual clamping knob on sample and manual stop on Le

Semi-automatic

Automatic clamping of the sample tap and automatic stop on the exchangeable insert Le

Automatic

Automatic clamping knock on sample and freely adjustable Le from PC

Transverse

Our sales and application engineers will be happy to advise you on how to choose the right strain gauge, to meet your requirements and needs.

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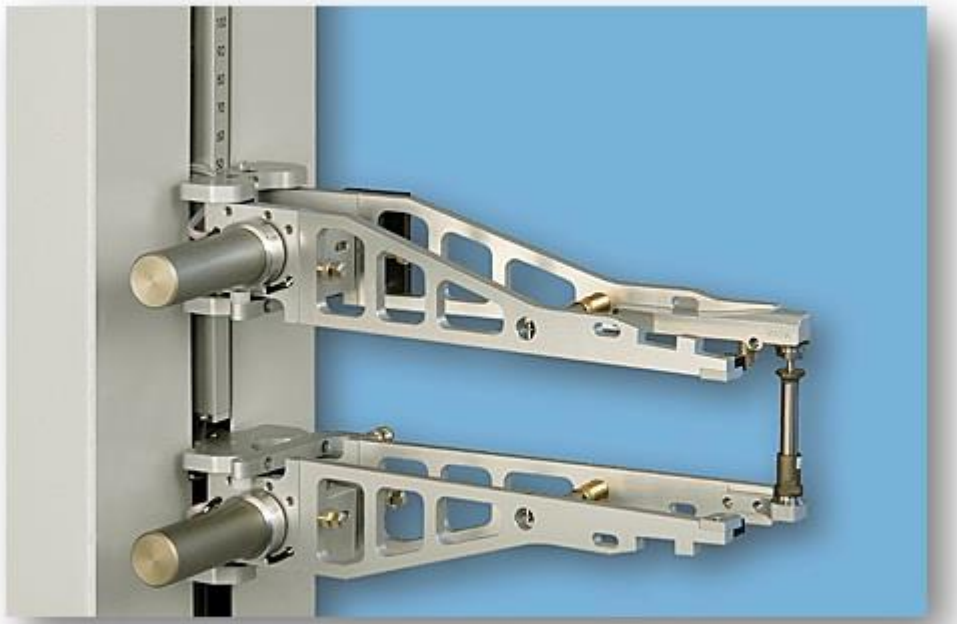
Extensometers manual

Main features MFN

Measuring range: + 4 mm / 300 mm / 500 nebo 800 mm
Accuracy class accroding EN ISO 9513: 0.2 / 2 (0.5 pro > 4 mm) / 1 for > 4 mm
Standard initial gauge length: 50 (10 - 25) / 10 - 100 mm / 100 - 100 (250) mm
Linearity error including hysteresis: 0.06 % / 0.01 % / 0.025%
Dimensions range for flat/ round specimens: 0 - 30 x 70 mm / 0 - 30 mm



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Extensometers semi-automatic

Main features MFE

Accuracy class accroding EN ISO 9513: 2
Standard initial gauge length: 10 up to 100 mm in steps 10 mm
Optional specific length: 50/100 mm
Measuring range: 910 mm minus Lo
Linearity error including hysteresis: 0.20 %
Dimensions range for flat/ round specimens: 0 - 30 x 100 mm / 0 - 30 mm

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Extensometers automatic

Main features MFL

Measuring range: 300 mm minus Lo / 490 mm minus Lo
Accuracy class accroding EN ISO 9513: 0.5
Standard initial gauge length: from 10 mm
Linearity error including hysteresis: 0.005 %
Dimensions range for flat/ round specimens: 0 - 30 x 50 mm / 0 - 80 mm

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Extensometers automatic

Main features MFX

Measuring range: 200 minus Lo
Accuracy class accroding EN ISO 9513: 0.5
Measuring range: 120 mm without travel
Standard initial gauge length: 10 - 200 minus travel
Linearity error including hysteresis: 0.005 %
Dimensions range for flat/round specimens: 0 - 50 x 150 mm / 0 - 50 mm

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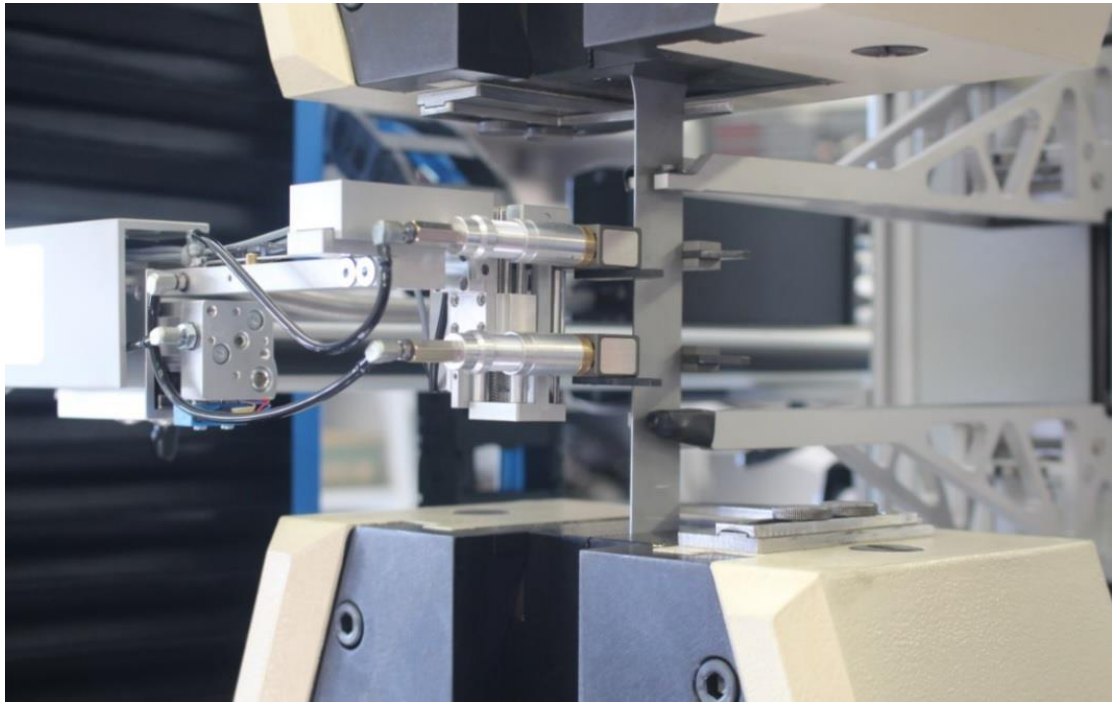
Extensometers semi-automatic - transverse

Main features MFQ

Accuracy class accroding EN ISO 9513: 0.2
Measuring range: 4 mm (6 mm)
Linearity error including hysteresis: 0.05 %
Width of flat specimens: 13, 20, 25, 30 mm
Thickness of flat specimens: 0.2 - 10 mm



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