

... from development to
implementation



Production of materials testing equipment and automation

Extensometers with full deformation

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.

Extensometers
with full
deformation

... from development to
implementation

... From development to implementation



Production of materials testing
equipment and automation



Production of materials testing
equipment and automation

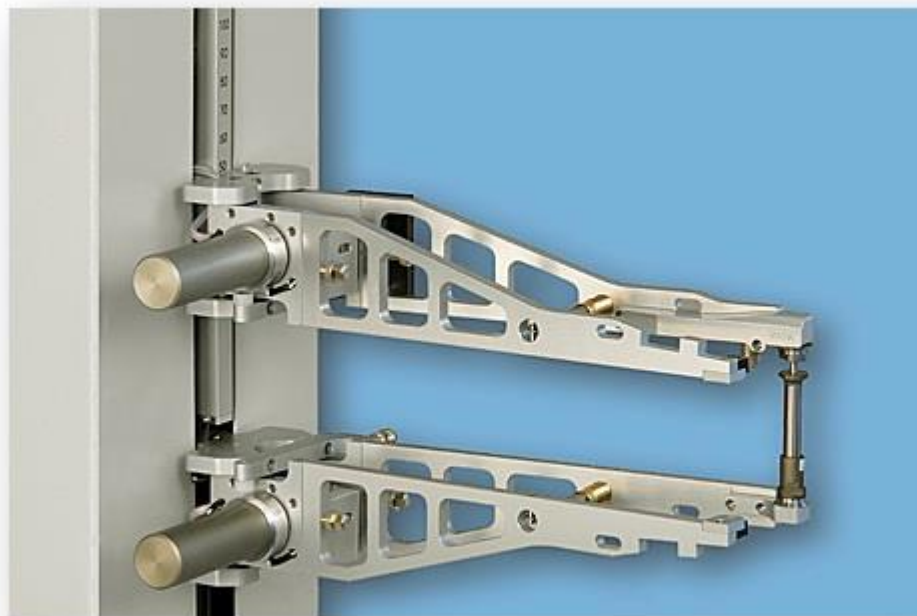
Extensometers
with full
deformation

... from development to
implementation

Extensometers manual

Main features MFN

Measuring range: + 4 mm / 300 mm / 500 nebo 800 mm
Accuracy class according to 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



... From development to implementation



Production of materials testing
equipment and automation

Extensometers
with full
deformation

... from development to
implementation

Extensometers semi-automatic

Main features MFE

Accuracy class according to 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 L_0

Linearity error including hysteresis: 0.20 %

Dimensions range for flat/ round specimens: 0 - 30 x 100 mm / 0 - 30 mm



... From development to implementation



Production of materials testing
equipment and automation

Extensometers
with full
deformation

... from development to
implementation

Extensometers automatic

Main features MFL

Measuring range: 300 mm minus L_0 / 490 mm minus L_0

Accuracy class according to 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



... From development to implementation



Production of materials testing
equipment and automation

Extensometers
with full
deformation

... from development to
implementation

Extensometers automatic

Main features MFX

Measuring range: 200 minus L_0

Accuracy class according to 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



... From development to implementation



Production of materials testing
equipment and automation

Extensometers
with full
deformation

... from development to
implementation

Extensometers semi-automatic - transverse

Main features MFQ

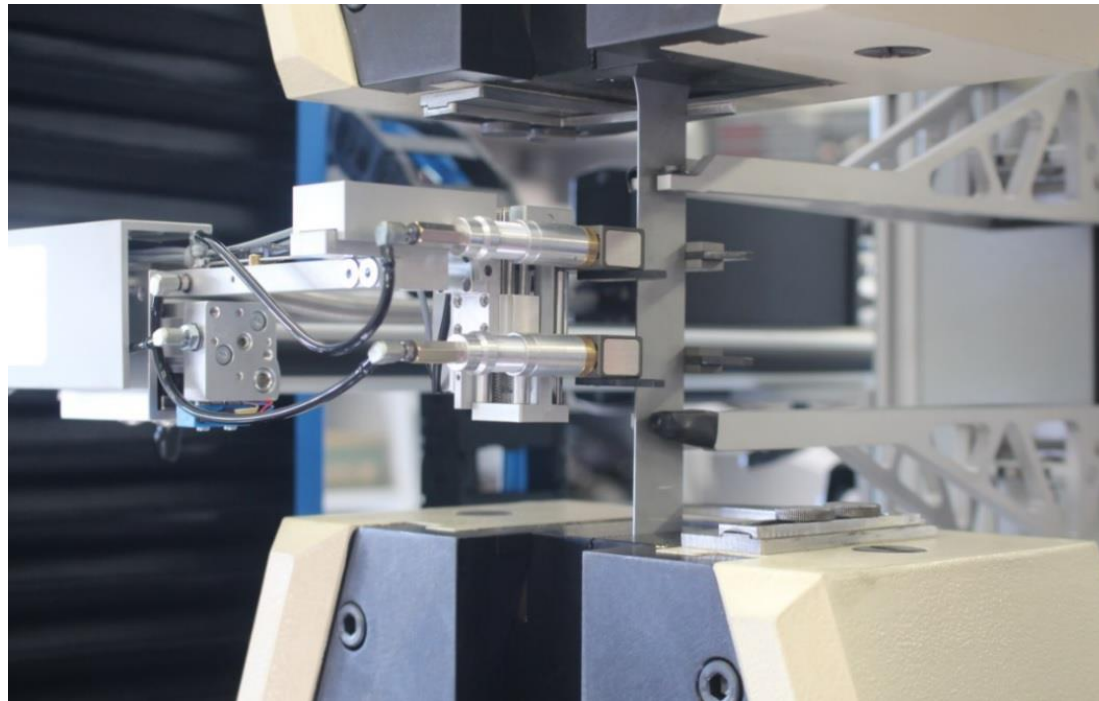
Accuracy class according to EN ISO 9513: 0.2

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



... From development to implementation

The logo for Labor Tech, featuring the words "Labor" and "Tech" in a bold, black, sans-serif font. "Labor" is on the left and "Tech" is on the right, separated by a small registered trademark symbol (®). The text is white and set against a black rectangular background.

Production of materials testing
equipment and automation

LABORTECH ve
světě

... od vývoje po realizaci

LABORTECH ve světě



Kontakt:

LABORTECH s.r.o.

Rolnická 130a, 747 05 Opava, Česká republika

Tel: +420 553 731 956, +420 553 668 648

E-mail: info@labortech.cz

Web: www.labortech.cz

GPS: 49°57'05.1"N

17°54'04.4"E

LABORTECH TRADING s.r.o.

Areál VVÚD Praha, Na Florenci 1686/9, 111 71 PRAHA 1, Česká republika

Tel: +420 731 656 723, +420 724 020 052

E-mail: trading@labortech.cz

Web: www.labortech.eu