



#### ACCESSORIES:

##### MINI MFA2-02-103-1

##### ADDITIONAL CLAMPING DEVICE

For Round Samples up to  $\varnothing$  50 mm

For Flat Samples up to 50x50 to mm

## MINI MFA 2 EXTENSOMETER max stroke 2 mm

The extensometer MINI MFA 2 is suitable for almost all types of samples up to  $\varnothing$  25 mm (or 25 mm x 25 mm) and a gauge length ( $L_e$ ) of 100 mm. Very high resolution and accuracy allow the determination of the Young's modulus (modulus of elasticity), in addition to the yield point  $R_{p0.2}$ . The instrument's accuracy exceeds all requirements of the European Norm EN ISO 9513. The extensometer permits quick and easy examination of a large number of test samples. Its low weight and minimal activating force make it especially suitable for small and notch sensitive samples. The measurement range amounts to 2 mm in the positive (tensile) direction and 1 mm in the negative (compressive) direction. The large adjustment range of the clamping force allows for the optimal adaptation to the tested material and the sample dimensions. The knife edges are wear resistant and can be utilized several times over by rotating them and thus increasing their life.

#### Technical data

Accuracy class EN ISO 9513: 0.2  
 Measuring principle Strain gauge full bridge  
 Measuring path for tensile test: 2 mm  
 Measuring path for compression test: 1 mm  
 Standard initial length  $L_e$ : 10 and 50 mm  
 Measuring path for pressure test to be agreed  
 Indication error \* 0.2 %  
 Indication error \* 0.6  $\mu$ m  
 Error in initial measuring instrument length < 50  $\mu$ m  
 Sensitivity 2 mV/V  
 Rated resistance of bridge 350 Ohm  
 Max. voltage input 10 V  
 Actuation force 10 - 60 cN  
 Cable length 5 m  
 Weight: 45 g

\* The greater value is permissible

#### Standard using for sample type :

Circular 0 to 25 mm

Flat 0 to 25 x 25 mm

\*\*For samples with dimensions up to 50 mm

See additional accessories

With special clamping device 0 to 50 mm

With special clamping device 0 to 50 mm thickness and 50 mm width

Others Initial length  $L_e$  and accessories on request.

#### Delivery scope

- 1 MINI MFA 2 with connector and 5 m cable
- 1 Extension arm,  $L_e$  50 mm
- 1 Clamping device with counter rollers
- 1 Gauge block 1.6 mm
- 2 Spare fastening screws
- 1 TORX screw driver T8
- 3 Spare locking rings for clamping device
- 1 Test Specification Sheet
- 1 Storing case