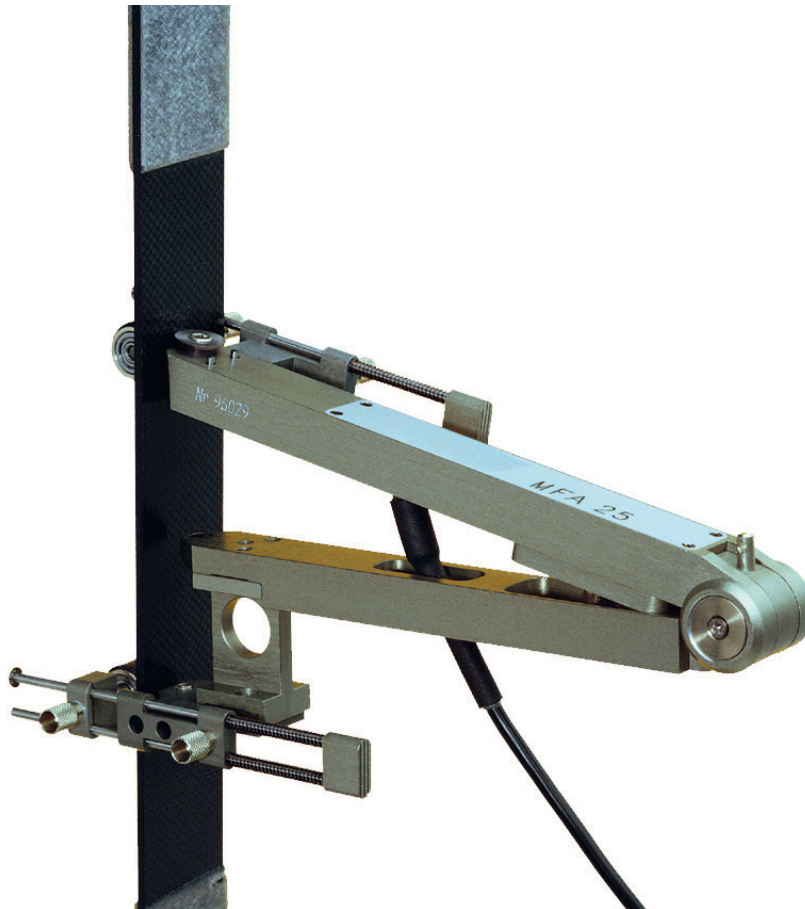


Clip-On Extensometer Series MFA-25 / 12 / 8

The MFA series are multipurpose clip-on extensometers suitable for a wide range of different materials with an initial gauge length starting from 25 (20) mm.

One of the key advantages, beside its high accuracy, of the MFA series is the easy and quick change of the gauge lengths. There are three (3) different units available with 25 mm, 12 mm and 8 mm measuring range.



Key Features

- High accurate strain-gauge measuring system
- Easy to use
- Quick exchange between gauge lengths through interchangeable gauge length adapters
- Class 0.5 according to ISO 9513, Model MFA-8 Class 0.2
- Robust yet light design
- Adjustable clamping force
- Low activation force
- The round measuring blades can be used along their entire circumference via rotation thus enabling an even longer period of use.

Area of Application

The MFA extensometer is suitable for many test pieces above an initial instrument measuring length of L_e of 25 mm (by 180°-turning of the measuring blades even above $L_e = 20$ mm). At a measuring path of up to 25 mm (MFA-25) the units find multiple application for metal to plastic test specimen. Specially the low tension causes only a little force on the test pieces. Its measuring accuracy complies with the requirements of the standard EN ISO 9513, class 0.5.

w+b Materials Testing Systems

Type MFA	25	12	8
Accuracy class EN ISO 9513	0.5	0.5	0.5
Accuracy class ASTM E83	B1		
Measurement principle	Full bridge strain gauge		
Travel	25 mm	12 mm	8 mm
Gauge length (L0)	50 - 100 mm		
with accessories	50 - 200 mm		
Option for gauge length 40 mm	available		
Linearity error include. hysteresis	0.25 %	0.25 %	0.1 %
Indication error (rel.)*	0.5 %	0.5 %	0.2 %
Indication error *	1.5 µm	1.5 µm	0.6 µm
Error in gauge length (L0)	50 µm		
Sensitivity	1 mV/V		
Operating temperature range	1 – 60 °C		
Weight	approx. 95 g		

* The larger of the values is admissible

Sample Dimensions	
Specimen diameter	Ø4 mm to Ø50 mm with optional clamping device up to Ø4 mm to Ø60 mm
Flat specimen	15 x 1 mm to 30 x 30 mm with optional clamping device up to 60 mm thickness and 60 mm width

Parts supplied	
MFA-20 for gauge lengths 50 to 100 mm in 5 mm steps	
Clamping device with cylindrical counter rollers	
Knife edge holder (upper)	
Knife edge holder (lower)	
Spare fastening screws M3x8 T10	

