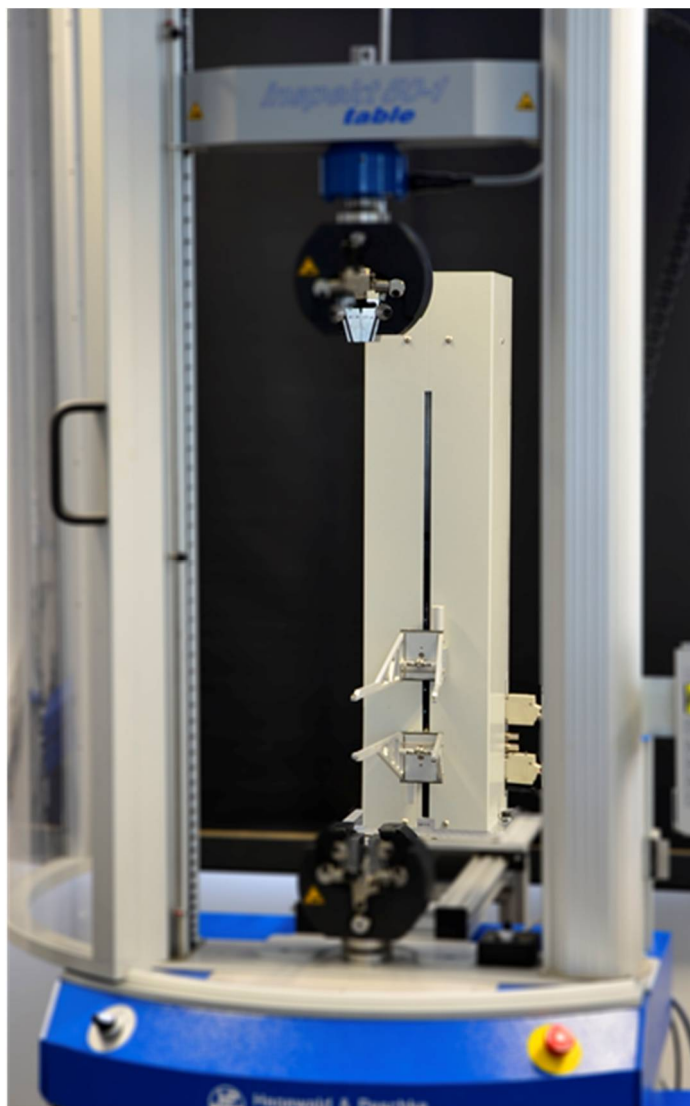


Product information

Long distance extensometers series MFX



Application:

The measuring instruments are suitable for the evaluation of the parameters, including the modulus of elasticity and the ultimate strength of a variety of materials. Optionally, they can be equipped with tiltable blades for brittle and very hard materials (e.g. cast, high-strength steel or CFRP). The MFX is also suitable for small, notch-sensitive specimen due to lowest clamping forces, combined with high measuring accuracy.

The MFX is preferably used on partly automated testing machines with hydraulic grips. The setting of the initial position (start position lower measuring arm) is carried out manually via a supplied external handpanel. The opening and closing of the measuring arms as well as the start of the initial device length L_0 are carried out automatically via the software LabMaster.

Technical data:

Accuracy class	1 according EN ISO 9513 (optional 0.5)
Indication error	0.5 % respectively 1,5µm (larger value ist permitted)
Measuring principle	optical-incremental
Actuating force	10cN
Temperature range of application	0° ... 50°C
Initial gauge length error	+/- 0.5%
Specimen diameter	0-80mm
Specimen thickness	0-70mm
Specimen width	0-360mm
Range measuring arms	250mm (middle of the blade)
Parallel length measuring arms	95mm (middle of the blade)
Included in delivery	Extensometer including electrics Hand panel for setting L_0 and position 4 HSS-measuring blades round Ø9,5mm

Models:

	For the machine series Inspekt table and Inspekt table blue			For the machine series Inspekt		
Item number	15-100-031	15-100-061	15-100-036	15-100-035	15-100-065	15-100-038
Measuring range	200mm	200mm	500mm	200mm	200mm	500mm
Resolution	0.1µm	0.01µm	0.1µm	0.1µm	0.01µm	0.1µm
Positioning range	120mm		420mm	120mm		420mm
	without constraints of the measuring range					
Weight	24kg		30kg	24kg		30kg
Standard initial gauge length Lo	10 ... 200mm		10 ... 500mm	10 ... 200mm		10 ... 500 mm

Options:

- Device for changing the measuring direction downwards when used in the upper test room of a universal testing machine
- Special measuring heads with a narrow design for use with deeper grips, extended parallel length up to the middle of the measuring blade: 170mm (additional adapter plates with standard measuring blades or tilting mechanism with round or double blades required)
- Displacement of the measuring arms by 90mm, thus increased range of the measuring arms (middle of the blade: 340mm)
- Increase of opening width of the measuring arms for specimen up to Ø120mm
- Tilting mechanism for measuring blades (round blades Ø 12mm or double blades, one side round/one side rectangular shape) for the protection of the measuring system at the testing of brittle or hinged specimen



Fig. 1: Detail measuring arms

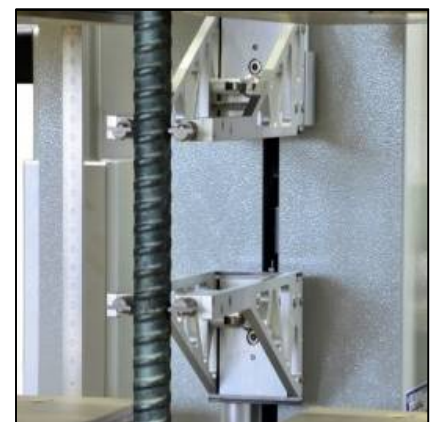


Fig. 2: Titable blades at the long distance extensometer MFX

Your contact person: