

Motorised test stand incl. length measuring system LD

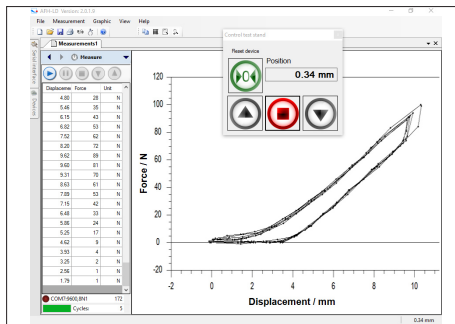


Premium test stand with step motor for precise testing up to 50 kN – also available as a set



Premium operating panel

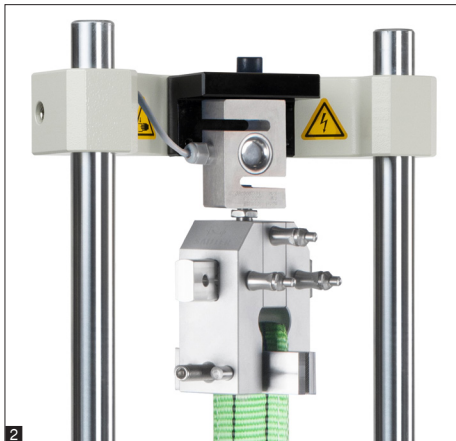
- Digital speed display for a direct reading of the displacement speed
- Digital repeat function for long-term stress test



Control of the test stand using PC software
SAUTER AFH



Solid and flexible fixing options for many clamps and accessories from the SAUTER product range, see *accessories*



Features

- Motorised test stand for tension/compression force measurements. Also available as a practical set TVS-LD for force-displacement-measurements in laboratory and industry
- Stepper motor for greatest ease of use
 - for constant speed from the smallest to the maximum load
 - allows testing at minimum speed and full load
 - for higher positioning accuracy. Precise starting and stopping, without overrun, even at high speeds
 - precise adjustment of the displacement speed using the information shown on the display
- Maximum displacement protected by electronic end switches
- Large working area by means of long guide columns as standard, which allows a wide range of fixing options

- Particularly flexible mounting options for variable force measuring devices, such as, for example, SAUTER FC, FH, FK, FL:
 - **1** Direct mounting of measuring devices with internal load cell up to a measuring range of 500 N (only for TVS 5000N240)
 - **2** Direct mounting of the external load cell on the traverse, starting with 1000 N measurement range and higher
 - **3** Holder for force measuring devices of the SAUTER FH range with external load cell
- Only TVS: SAUTER LA length measuring device as standard, to read the travel distance with a readability of 0,01 mm

SAUTER TVS-LD

- Five in one – premium motorised test stand, length measuring system LD, interface cable, data transfer software AFH LD, interface converter AFH 12 and mounting
- With linear potentiometer for length measurement to create force-displacement diagrams on PC, maximum measuring range 300 mm, readability 0,01 mm, measuring accuracy 0.5 % of [Max], USB-A cable 1,5 m, high data acquisition speed

Technical data

- Maximum travel distance: 210 mm
- Speed accuracy: 1 % of [Max]
- Positioning accuracy when shutting down: $\pm 0,05$ mm

Accessories

- Only TVS: Data transfer software with graphic display of the measurement process, force-time, SAUTER AFH FAST
- **3** Holder for force measuring devices of the SAUTER FH range with external load cell, SAUTER TVM-A01

STANDARD



TVS-LD

OPTION



TVS

Model	Measuring range	Speed range	Length of columns
	[Max] N	[Max] mm/min	mm
SAUTER			
TVS 5000N240	5000	1 – 240	1135
TVS 10KN100	10000	1 – 200	1135
TVS 20KN100	20000	1 – 70	1135
TVS 50KN80	50000	1 – 70	1135
Sets incl. test stand, length measuring system, interface cable, software AFH LD, assembly:			
TVS 5000N240-LD	5000	1 – 240	1135
TVS 10KN100-LD	10000	1 – 200	1135
TVS 20KN100-LD	20000	1 – 70	1135
TVS 50KN80-LD	50000	1 – 70	1135