



Motorised test stand incl.length measuring system LD

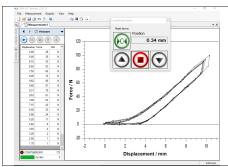


# Premium test stand with step motor for precise testing up to 50 kN – also available as a set



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

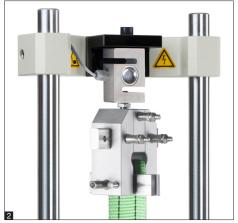


Solid and flexible fixing options for many clamps and accessories from the SAUTER product range, see *accessories* 



### **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:
- I 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: ± 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**











Model	Measuring range	Speed range	Length of columns
	[Max]	[Max]	
SAUTER	N	mm/min	mm
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 syste	em, 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