MEASURING TECHNOLOGY & TEST SERVICE 2024

Force measurement

Motorised Vertical Test Stand SAUTER TVS · TVS-LD

24

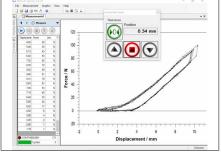


Premium test stand with step motor for precise testing up to 50 kN – now also available as a set



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



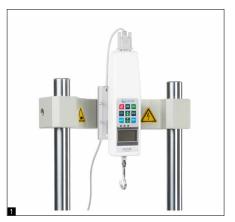
SAUTER

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

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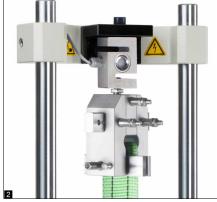
Force measurement

Motorised Vertical Test Stand SAUTER TVS \cdot TVS-LD



Features

- Motorised test stand for tension/compression
 force testing
- NEW: Now also available as a practical set TVS-LD for force-displacement-measurements in laboratory and industry
- Set 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
- · 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
- Only TVS: SAUTER LA length measuring device as standard, to read the travel distance with a readability of 0,01 mm



- Set TVS-LD: 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
- Set TVS-LD: Data Transfer Software
 SAUTER AFH LD included with the delivery
- Particularly flexible mounting options for variable force measuring devices, such as, for example, SAUTER FC, FH, FK, FL:
- Direct mounting of measuring devices with internal load cell up to a measuring range of 500 N (only for TVS 5000N240)
- Direct mounting of the external load cell on the traverse, starting with 1000 N measurement range and higher
- B Holder for force measuring devices of the SAUTER FH range with external load cell



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
- Holder for force measuring devices of the SAUTER FH range with external load cell, SAUTER TVM-A01
- Force gauges see page 11 et seq., clamps and other accessories see page 39 et seq.

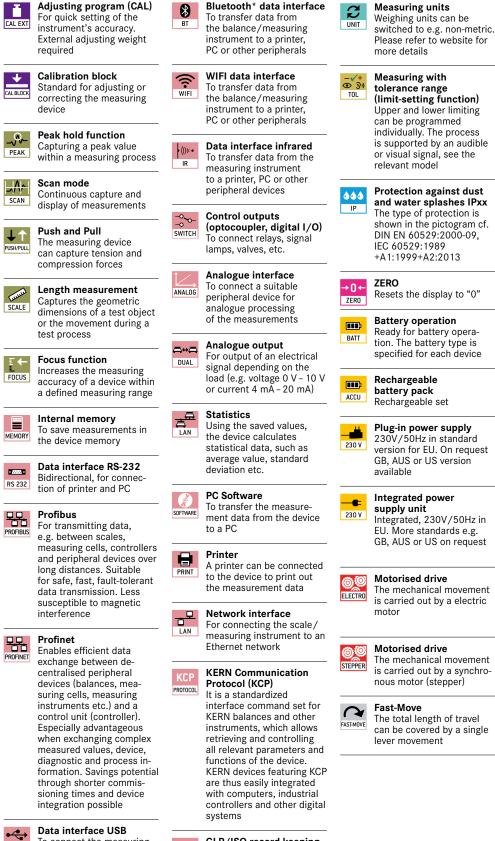


Model		Measuring range	Speed range	Length of columns
		[Max]	[Max]	
SAUTER		Ν	mm/min	mm
TVS 5000N240		5000	1 - 240	1135
TVS 10KN100		10000	1 – 200	1135
TVS 20KN 100		20000	1 – 70	1135
TVS 50KN80		50000	1 – 70	1135
		Sets incl. test stand, length mea	asuring system, interface cable, software	e AFH LD, assembly:
TVS 5000N240-LD	NEW	5000	1 - 240	1135
TVS 10KN 100-LD	NEW	10000	1 - 200	1135
TVS 20KN 100-LD	NEW	20000	1 – 70	1135
TVS 50KN80-LD	NEW	50000	1 – 70	1135
New model				



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SAUTER Pictograms







Conformity assessment Models with type approval for construction of verifiable systems

DAkkS calibration DAkkS possible

Μ

The time required for DAkkS calibration is shown in days in the pictogram

Factory calibration (ISO)

The time required for factory calibration is specified in the pictogram

Package shipment

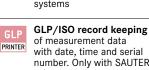
The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment

The time required for internal shipping preparations is shown in days in the pictogram



To connect the measuring instrument to a printer, PC or other peripheral devices



with date, time and serial number. Only with SAUTER printers

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