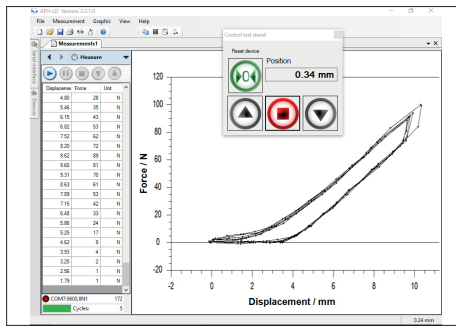


Motorised test stand incl. length measuring system LD

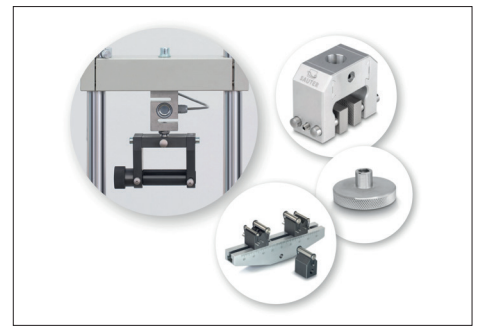
Premium test stand with step motor for precise testing up to 50 kN – also available as a set



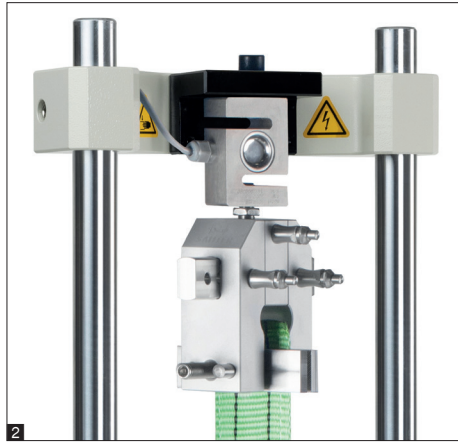
Premium operating panel
 - Digital speed display for a direct reading of the displacement speed
 - Digital repeat function for long-term stress test



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 internet



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** Option: Holder for force measuring devices of the SAUTER FH range with external load cell, see internet
- Only TVS: SAUTER LA length measuring device as standard, to read the travel distance with a readability of 0,01 mm

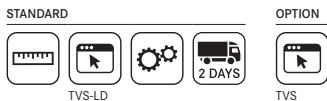
SAUTER TVS-LD

- 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

Discover more details and matching accessories online!



| Model | Measuring range [Max] N | Speed range [Max] mm/min | Length of columns mm |
|---|-------------------------------|--------------------------------|-------------------------|
| SAUTER | | | |
| TVS 5000N240 | 5000 | 1 - 240 | 1135 |
| TVS 10KN100 | 10000 | 1 - 200 | 1135 |
| TVS 20KN100 | 20000 | 1 - 100 | 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 - 100 | 1135 |
| TVS 50KN80-LD | 50000 | 1 - 70 | 1135 |