



## Manual test stand for highly accurate tensile and compressive force measurements

### Features

- For vertical and horizontal use
- Precise measurement results
- High level of security at repeated measurements
- Large base plate with high versatility of fastening objects
- SAUTER TVL, TVL-XLS: Digital length meter SAUTER LA (without interface) as standard
  - Measuring range: max. 200 mm
  - Readability: 0,01 mm
  - Zero setting possible
  - Pre-length can be set manually
- **1** SAUTER TVL-O: Manual test bench without SAUTER LA length measuring device
- **2** SAUTER TVL-E: Test bench for force-measuring devices with an external measuring cell
- SAUTER TVL-O, TVL-E: As an option, the SAUTER LB length measuring device (with interface) can be fitted, see *accessories*

- SAUTER TVL, TVL-XLS, TVL-O: Suitable for all SAUTER force measuring devices with internal measuring cell up to 1000 N (not included in delivery)
- SAUTER TVL-E: Suitable for all SAUTER force measuring devices with external measuring cell up to 2000 N (not included in delivery)
- SAUTER TVL: Hook with M6 thread as standard
- SAUTER TVL-XLS: consisting of: SAUTER TVL + SAUTER TVL-XL, see accessories
- **3** Model TVL and TVL-XLS in size comparison

### Technical data

- Base plate with threaded hole M6
- Travel distance per knob rotation (stroke per one turn):  
SAUTER TVL-XLS, TVL, TVL-O: 3 mm  
SAUTER TVL-E: 2 mm

### Accessories

- Extension kit for SAUTER TVL, extends the working area by 340 mm, enabling larger test pieces to be measured. The traverse distance (spindle height from base plate) remains the same: 230 mm. Overall dimensions W×D×H 35×110×344 mm, Net weight approx. 2,8 kg, can be retrofitted, SAUTER TVL-XL
- Digital length measuring device, measuring range 200 mm, readability 0,01 mm, details see page 39, SAUTER LB 200-2
- Mounting the length measuring device LB onto a SAUTER test stand at the factory, SAUTER LB-A02
- Data transfer software with graphic display of the measurement process, force-time, SAUTER AFH FAST  
Force-displacement only in combination with SAUTER LB, SAUTER AFH FD

Save with our practical bundles of test stand, force gauge and matching clamps, e.g. SAUTER TVL 500FHS71, consisting of:

- 1× TVL
- 1× FH 500 (Details see page 12)
- 2× AE 500 (Details see page 34)

You can find our bundles on page 24

STANDARD



TVL, TVL-XLS

Model	Measuring range [Max] N	Maximum travel distance mm	Length measuring device at delivery	Dimensions W×D×H mm	Net weight approx. kg
<b>SAUTER</b>					
<b>TVL-XLS</b>	500	230	Length measuring device with display	200×300×800	12
<b>TVL</b>	1000	230		151×234×465	9
<b>TVL-O</b>	1000	230	Length measuring device with display and data interface (optional)	151×234×465	9
<b>TVL-E</b>	2000	290		154×240×550	8