## **MEASURING TECHNOLOGY & TEST SERVICE 2024**

Force measurement

## Manual Test Stand SAUTER TVL · TVL-E · TVL-O · TVL-XLS







## 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
- INEW: SAUTER TVL-O, Manual test bench without SAUTER LA length measuring device
- NEW: 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)



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-E: Suitable for all SAUTER force

- SAUTER TVL + SAUTER TVL-XL, see Accessories
- Image: 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-XL, 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 49, 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 14) - 2× AE 500 (Details see page 43)

You can find our bundles on page 28/29

Model SAUTER	Measuring range [Max] N	Maximum travel distance mm	Length measuring device at delivery	Dimensions W×D×H mm	Net weight approx. kg
TVL-XLS	500	230	Length measuring device with display	200×300×800	12
TVL	1000	230		151×234×465	9
TVL-0	NEW 1000	230	Length measuring device with display and data interface	151×234×465	9
TVL-E	NEW 2000	290	(optional)	154×240×550	9

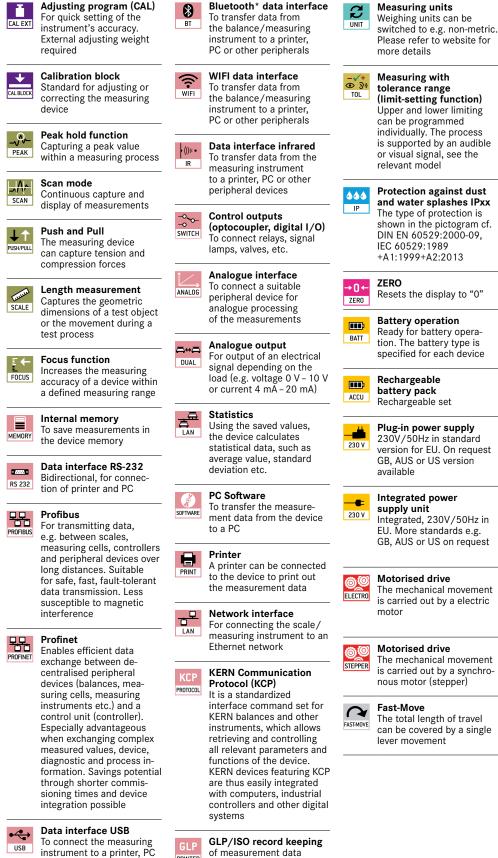
New model





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### **SAUTER Pictograms**







Conformity assessment Models with type approval for construction of verifiable systems

SAUTER

#### **DAkkS** calibration DAkkS possible +3 DAYS

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

Factory calibration (ISO) **ISO** +4 DAYS

## The time required for factory calibration is specified in the pictogram

#### Package shipment

1 DAY

2 DAYS

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

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