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

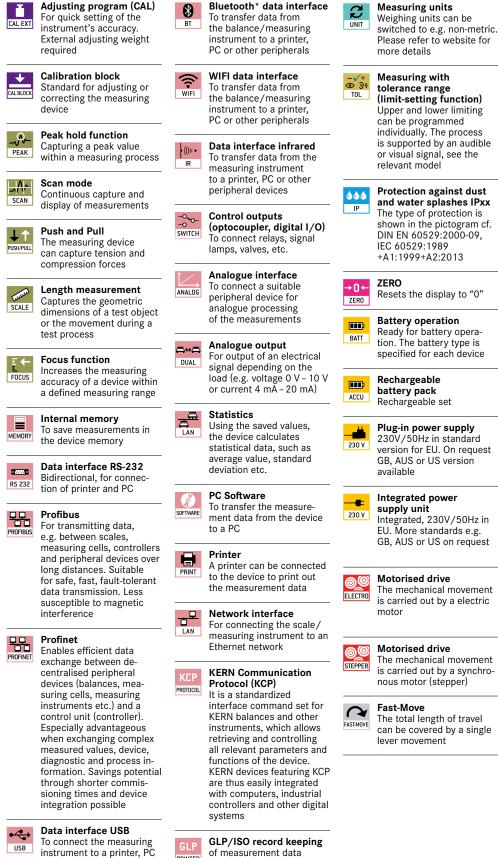
New model





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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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