Motorised vertical test stand SAUTER TVO-S

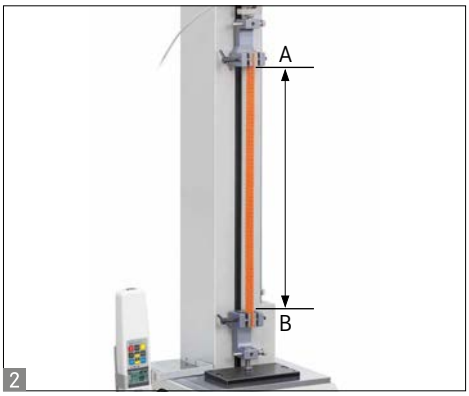
NEW



SAUTER TVO-S ≤ 1 KN



1 SAUTER TVO-S ≥ 2 KN



2

Premium test bench in table-top version – now also with step motor

Features

- Motorised test stand for tension/compression force testing
- **New: Step 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 run-on, even at high speeds
  - precise adjustment of the process speed using the information shown on the display
- 1 **A wide range of application** possibilities because of its large travel path
- Automatic or manual process mode
- **Premium operating panel**
  - Digital speed display
  - Digital repeat function
  - Control of the test stand using SAUTER AFH PC software
- **Table-top version** for easy operation
- **Robust construction;** fixation of SAUTER force measuring devices up to 2 KN possible
- Mounting option of different clamps
- The large diagram shows the TVO-S test stand with SAUTER FH force measuring device as well as mounts for the force measuring device and test objects, not supplied with the product

Technical data

- Process speed: 1 % tolerance of the display against the actual speed
- Positioning accuracy when shutting down: ± 0,05 mm
- Dimensional drawings on www.sauter.eu

Accessories

- **Digital length measuring device** SAUTER LB, only for TVO 500N300S and TVO 500N300, SAUTER LB 300-2.
- **Fatigue testing data transfer software,** SAUTER AFH FGT
- **Force-time data transfer software** for graphical representation on the PC and data transfer to Microsoft Excel, SAUTER AFH FAST
- **Force-displacement data transfer software** with graphic display of the measurement process, SAUTER AFH FD
- Mount for measuring device SAUTER FH, SAUTER TVO-A01

STANDARD



OPTION



Model SAUTER	Measuring range [Max] N	Speed range mm/min	Max. travelling distance 2 mm	Motor	Dimensions WxDxH mm	
TVO 500N500S	500	1 – 500	300	Syncronal stepper motor	286x380x680	
TVO 1000N500S	1000	1 – 500	500	Syncronal stepper motor	270x410x970	
TVO 2000N500S	2000	1 – 500	700	Syncronal stepper motor	310x465x1180	

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SAUTER Pictograms:



Adjusting program (CAL):
For quick setting of the balance's accuracy. External adjusting weight required.



Calibration block:
standard for adjusting or correcting the measuring device.



Peak hold function:
capturing a peak value within a measuring process.



Scan mode:
continuous capture and display of measurements.



Push and Pull:
the measuring device can capture tension and compression forces.



Length measurement:
captures the geometric dimensions of a test object or the movement during a test process.



Focus function:
increases the measuring accuracy of a device within a defined measuring range.



Internal memory:
to save measurements in the device memory.



Data interface RS-232:
bidirectional, for connection of printer and PC.



Data interface USB:
To connect the balance to a printer, PC or other peripheral devices.



Data interface Infrared:
To transfer data from the balance to a printer, PC or other peripheral devices.



Control outputs (optocoupler, digital I/O):
to connect relays, signal lamps, valves, etc.



Analogue interface:
to connect a suitable peripheral device for analogue processing of the measurements.



Statistics:
using the saved values, the device calculates statistical data, such as average value, standard deviation etc.



PC Software:
to transfer the measurements from the device to a PC.



Printer:
a printer can be connected to the device to print out the measurements.



GLP/ISO record keeping:
of measurements with date, time and serial number. Only with SAUTER printers.



Measuring units:
Weighing units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details.



Measuring with tolerance range:
Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.



ZERO:
Resets the display to "0".



Battery operation:
Ready for battery operation. The battery type is specified for each device.



Rechargeable battery pack:
rechargeable set.



Mains adapter:
230V/50Hz in standard version for EU. On request GB, AUS or USA version available.



Power supply:
Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.



Motorised drive:
The mechanical movement is carried out by a motorised drive.



Fast-Move:
the total length of travel can be covered by a single lever movement.



ISO Calibration:
The time required for ISO calibration is shown in days 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.



Warranty:
The warranty period is shown in the pictogram.

Your SAUTER specialist dealer: