



Premium test stand for laboratory applications

Features





- Motorised test stand for tension and compression tests
- **Table-top design** for comfortable operation
- **Robust design** for durable use
- Easy-to-access safety switch-off
- Upper and lower end point, can be set individually
- Automatic or manual operation mode
- Can be used for force gauges up to 500 N (e.g. SAUTER FH-S, not included, for details see page 12)

Technical data

- Maximum tensile and compressive force: 500 N
- Maximum travel length: 300 mm
- Speed accuracy: 2 % of [Max]
- Net weight approx. 25 kg
































Accessories

- **Digital length measuring device**, measuring range 300 mm, readout 0,01 mm, details see page 35, SAUTER LB 300-2.
- **Mounting the length measuring device** onto a SAUTER test stand at the factory, SAUTER LB-A02
- **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

STANDARD		OPTION	
			
ELECTRO	2 DAYS	SCALE	SOFTWARE

Model	Measuring range	Speed range	Max. travelling distance	Dimensions	
	[Max] N	mm/min	mm	W×D×H mm	
SAUTER TVO 500N300.	500	15-300	300	236×428×570	

Datasheet_TVO_V1

	<p>Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.</p>		<p>Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.</p>		<p>Rechargeable battery pack: rechargeable set.</p>
	<p>Calibration block: standard for adjusting or correcting the measuring device.</p>		<p>Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements.</p>		<p>Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.</p>
	<p>Peak hold function: capturing a peak value within a measuring process.</p>		<p>Statistics: using the saved values, the device calculates statistical data, such as average value, standard deviation etc.</p>		<p>Power supply: Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.</p>
	<p>Scan mode: continuous capture and display of measurements.</p>		<p>PC Software: to transfer the measurements from the device to a PC.</p>		<p>Motorised drive: The mechanical movement is carried out by an electric motor.</p>
	<p>Push and Pull: the measuring device can capture tension and compression forces.</p>		<p>Printer: a printer can be connected to the device to print out the measurements.</p>		<p>Motorised drive: The mechanical movement is carried out by a synchronous motor (stepper).</p>
	<p>Length measurement: captures the geometric dimensions of a test object or the movement during a test process.</p>		<p>GLP/ISO record keeping: of measurements with date, time and serial number. Only with SAUTER printers.</p>		<p>Fast-Move: the total length of travel can be covered by a single lever movement.</p>
	<p>Focus function: increases the measuring accuracy of a device within a defined measuring range.</p>		<p>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.</p>		<p>DAkKS calibration possible: The time required for DAkKS calibration is shown in days in the pictogram.</p>
	<p>Internal memory: to save measurements in the device memory.</p>		<p>Measuring with tolerance range (limit-setting function): Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model</p>		<p>Factory calibration: The time required for factory calibration is specified in the pictogram.</p>
	<p>Data interface RS-232: bidirectional, for connection of printer and PC.</p>		<p>ZERO: Resets the display to "0".</p>		<p>Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.</p>
	<p>Data interface USB: To connect the balance to a printer, PC or other peripheral devices.</p>		<p>Battery operation: Ready for battery operation. The battery type is specified for each device.</p>		<p>Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.</p>
	<p>Data interface Infrared: To transfer data from the balance to a printer, PC or other peripheral devices.</p>				

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