



Premium motorised test stand for professional force measurements

Features

- **1** Premium operation panel:
 - Digital speed display
 - Digital repeat function display
- **Force controlled automatic switchoff**
(Teststop after achieving an adjusted limit load), only when used with force gauge SAUTER FH
- **Repeat function** for durability tests (multiple up and down, adjustable)
- **Digital speed display:** shows the displacement speed
- **Solid and flexible possibilities of fixation** (see accessory)
- Possibilities to attach force gauges (for SAUTER FH, FA, FK, FL):
 - **2** Force gauges with internal sensor (up to 500 N capacity), only for SAUTER TVM 5000N230N, SAUTER TVM 10KN120N
 - **3** Force gauges with external sensor (starting at 1,000 N capacity)
- Large illustration with length measuring unit, force gauge and mount for test objects (not included)

Technical data

- Maximum travel length: 214 mm (protected by electronic end switches)
- Speed accuracy: 3 % of [Max]
- Initial height of the base plate: 171 mm
- Maximum travel of the base plate: 385 mm
- Minimum distance between base plate and bottom of upper object mounting: 85 mm
- Overall dimensions LxWxH 400x256x1015 mm
- Net weight approx. 58 kg

Accessories

- **4** **Digital length measuring device**, measuring range 300 mm, readout 0,01 mm, details see page 27, SAUTER LB 300-2.
- Mounting the length measuring device onto a SAUTER test stand at the factory, SAUTER LB-A02
- **Longer guide columns** at the same travel length, up to 500 mm, SAUTER AFH 18































STANDARD



OPTION



Model	Measuring range	Speed range	
SAUTER	[Max] N	mm/min	
TVM 5000N230N.	5000	10 - 230	
TVM 10KN120N.	10000	30 - 120	
TVM 20KN120N.	20000	30 - 120	
TVM 30KN70N.	30000	5 - 70	

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

Your SAUTER specialist dealer: