SAUTER

Manual test stand for tensile and compressive testing of springs, medium version from 50 N up to 500 N
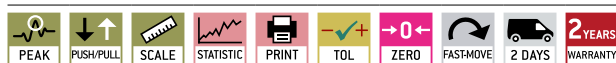
Features

· Spring tester for tension and compression tests
· Measuring device integrated in housing
· **1 Integrated thermal printer**
· **Digital length measuring unit:**
  - Manual zero adjustment possible
  - Pre-length can be set manually
  - Readout: 0,01 mm
· **10 memories** to print out the results or to calculate average values
· **Function to set limits:** Input of an upper/lower limit value. A visual and acoustic signal supports the measuring operation
· **Peak load display** (peak hold)
· Selectable measuring units: kg, lbf, N

Technical data

· Precision: 0,5 % of [Max]
· Stroke length: 100 mm
· Maximum test object length: 100 mm
· Overall dimensions W×D×H 300×235×620 mm

STANDARD

| PEAK | PUSH/PULL | SCALE | STATISTIC | PRINT | TOL | ZERO | FAST-MOVE | 2 DAYS | 2 YEARS WARRANTY |

OPTION

ISO +4 DAYS

Model	Measuring range	Readout	Net weight		Option **Factory calibration certificates compression**	
	[Max]	[d]				
SAUTER	N	N	kg		KERN	
SD 50N100.	50	0,01	21		961-261O	
SD 100N100.	100	0,02	21		961-261O	
SD 200N100.	200	0,05	21		961-261O	
SD 300N100.	300	0,1	21		961-261O	
SD 500N100.	500	0,1	21		961-261O	

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 electric motor.

Motorised drive:
The mechanical movement is carried out by a synchronous motor (stepper).

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

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

Factory calibration:
The time required for factory calibration is specified 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: