## Spring tester SAUTER SD-M





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

### Features

STA

- Spring tester for tension and compression tests
- Measuring device integrated in housing
- 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
- Measuring with tolerance range (limit-setting function): Upper and lower limiting can be programmed individually, in pull and push direction. The process is supported by an audible and visual signal.
- 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

NDARD										OPTION	
<mark>≫−</mark> EAK		SCALE	STATISTIC	PRINT	-√+ ⊙ ৢ৽ TOL	→0← ZERO	FAST-MOVE	2 DAYS	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	961-2610					
SD 100N100.	100	0,02	21	961-2610					
SD 200N100.	200	0,05	21	961-2610					
SD 300N 100.*	300	0,1	21	961-2610					
SD 500N100.	500	0,1	21	961-2610					

# 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.



continuous capture and display of measurements.

Scan mode:



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.



to connect a suitable peripheral device for ANALOG analogue processing of the measurements.



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



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



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



GLP/ISO record keeping: of measurements with date, time and



## Measuring units:

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



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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

#### ZERO: +0←

Resets the display to "0".



ZERO

#### 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.





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



by a electric motor.

Motorised drive:

Motorised drive:

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

The mechanical movement is carried out



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.



1 DAY

#### 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.



# Your SAUTER specialist dealer:

