SAUTER 289

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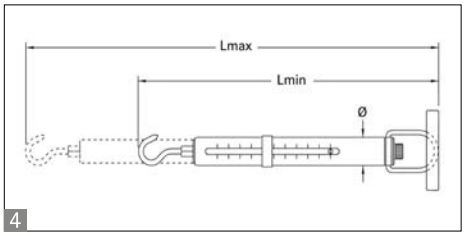

Mechanical weight and force measurement with quality spring for long service life

Features

- **The very best price/performance ratio thanks to the transparent plastic housing,** ideal for schools and educational institutions
- **Newton scale:** The SAUTER 289 range can display the results in Newtons instead of in grammes, specifically for measuring tensile forces
- **High precision:** Zero-play spring bearing with integrated tare screw for highly-precise adjustment
- **Non-fatigue stainless steel spring**
- Abrasion-resistant, colour precision scale with high resolution
- Thanks to the rotating inner tube, the scale is always easy to read
- The bracket which is delivered as standard can easily be swapped for another suspension device, so that the system can be individually adapted to the items being weighed

Technical data

- Accuracy of: ± 0,3 % of the load
- Tare range: 20 % of [Max]

Accessories

- 1 Bracket for spring balances of 10–1000 g/ 0,1–10 N, SAUTER 287-A01
- 2 Hook for spring balances 10–1000 g/ 0,1–10 N, SAUTER 287-A02
- 3 Bird weighing cone for spring balances (50–500 g) SAUTER 281-891

STANDARD 1 DAY | OPTION ISO +4 DAYS

Model	Measuring range	Division	Load support	4 Dimensions				Option Factory calibration certificate	
				Lmin	Lmax	ø			
SAUTER	N	N		mm	mm	mm		KERN	
289-100	1	0,01	hook	230	335	12		961-161O	
289-102	5	0,05	hook	230	335	12		961-161O	
289-104	10	0,1	hook	230	335	12		961-161O	

Model	Weighing range	Division	Load support	4 Dimensions				Option Factory calibration certificate	
				Lmin	Lmax	ø			
SAUTER	g	g		mm	mm	mm		KERN	
287-100	10	0,1	clip	225	330	12		961-100	
287-102	20	0,2	clip	225	330	12		961-100	
287-104	50	0,5	clip	225	330	12		961-100	
287-106	100	1	clip	225	330	12		961-100	
287-108	500	5	clip	225	330	12		961-100	
287-110	1000	10	clip	225	330	12		961-100	

SAUTER GmbH · c/o KERN & SOHN GmbH · Ziegelei 1 · 72336 Balingen · Germany · Tel. + 49-[0]7433-9933-0 · Fax + 49-[0]7433-9933-149 · **www.sauter.eu**

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 (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:
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.

Your SAUTER specialist dealer: