





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 KERN 289 range can display the results in Newtons instead of in grammes, specifically for measuring tensile forces
- High quality:
- zero-play spring bearing with highly-precise adjustment
- fatigue-proof 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
- You will find a wide range of further spring balances with gramme division or Newton division for tension and pressure measurements and specific accessories at www.sauter.eu and page 26 onwards

Technical data

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

Accessories

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

STANDARD







Model	Division	Measuring range	Load support	Option ISO Calibration Certificate	
				ISO	
SAUTER	N	N		KERN	
289-100	0,01	1	hook	961-161	
289-102	0,05	5	hook	961-161	
289-104	0,1	10	hook	961-161	

Model	Division	Weighing range	Load support	Option ISO Calibration Certificate
				ISO
SAUTER	g	g		KERN
287-100	0,1	10	clip	961-100
287-102	0,2	20	clip	961-100
287-104	0,5	50	clip	961-100
287-106	1	100	clip	961-100
287-108	5	500	clip	961-100
287-110	10	1000	clip	961-100

Datasheet_287_289_V1

SAUTER Pictograms:





Adjusting program (CAL):

For quick setting of the balance's accuracy. External adjusting weight required.



Data interface Infrared:

(optocoupler, digital I/O):

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.



Rechargeable battery pack:

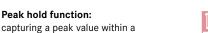
rechargeable set.



Calibration block:

measuring process.

standard for adjusting or correcting the measuring device.





SWITCH

Analogue interface:

Control outputs

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

to connect relays, signal lamps, valves, etc.



ACCU

Mains adapter:

230V/50Hz in standard version for EU. On request GB, AUS or USA version available.



PEAK

Scan mode:

Push and Pull:

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.

by a single lever movement.



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:

and compression forces.

captures the geometric dimensions of a test object or the movement during a test process.

the measuring device can capture tension



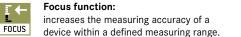
Printer:

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



Fast-Move:

the total length of travel can be covered





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.

Data interface RS-232:

bidirectional, for connection



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.



1 DAY

in days in the pictogram.

Package shipment:

Pallet shipment: The time required for internal shipping preparations is shown

The time required for internal

shipping preparations is shown



ZERO:

Resets the display to "0".



Warranty:

The warranty period is shown in the pictogram.

in days in the pictogram.



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RS 232

Data interface USB:

of printer and PC.

To connect the balance to a printer, PC or other peripheral devices.



Your SAUTER specialist dealer: