

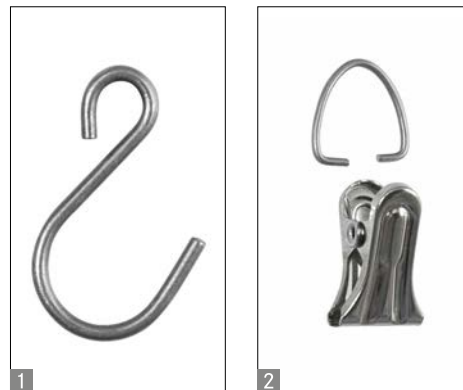
NEW



KERN 289



KERN 287



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: $\pm 0,3\%$ of the load
- Tare range: 20 % of [Max]































Accessories

- **1** Bracket for spring balances of 10-1000 g/ 0,1-10 N, KERN 287-A01
- **2** 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	OPTION
1 DAY	2 YEARS WARRANTY
	ISO +4 DAYS

Model	Division	Measuring range	Load support	Option ISO Calibration Certificate	
				ISO	KERN
SAUTER	N	N			
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	KERN
SAUTER	g	g			
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	

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

Your SAUTER specialist dealer:



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