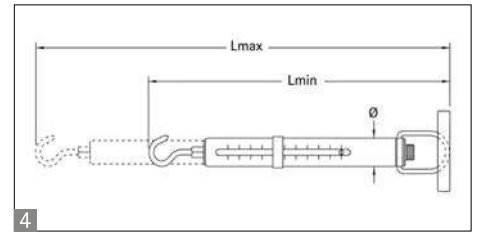




SAUTER 289



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












Accessories

- **1** Bracket for spring balances of 10–1000 g/ 0,1–10 N, 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



| Model | Measuring range | Division | Load support | 4 Dimensions | | | Option | |
|---------|-----------------|----------|--------------|--------------|------|----|---------------------------------|--|
| | | | | Lmin | Lmax | Ø | Factory calibration certificate | |
| SAUTER | N | N | | mm | mm | mm | KERN | |
| 289-100 | 1 | 0,01 | hook | 230 | 335 | 12 | 961-1610 | |
| 289-102 | 5 | 0,05 | hook | 230 | 335 | 12 | 961-1610 | |
| 289-104 | 10 | 0,1 | hook | 230 | 335 | 12 | 961-1610 | |

| Model | Weighing range | Division | Load support | 4 Dimensions | | | Option | |
|---------|----------------|----------|--------------|--------------|------|----|---------------------------------|--|
| | | | | Lmin | Lmax | Ø | Factory calibration certificate | |
| 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 | |

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

Your SAUTER specialist dealer:

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