

NEW



SAUTER 281



SAUTER 285



Precise, mechanical spring balances in robust aluminium housing with g/kg readout

Features

- **Aluminium scale tube:** robust, long service life, rustproof
- **Gramme/Kilogram scale:** Measuring result display in grammes or kilograms instead of N
- **Compressive force measurement:** possible using an optional pressure set, see accessories
- **Drag pointer and carrying handle:** as standard on all models of the SAUTER 285 range
- **Handrail:** thanks to the rotating handrail the scale can always be aligned to be at the very best line of sight
- **High precision:** Zero-play spring bearing with integrated tare screw for highly-precise adjustment
- **Non-fatigue stainless steel spring**
- **Clip loop** which can be freely rotated of the lower suspension bracket by 360° for models with [Max] ≤ 1 kg

- **High-quality workmanship:** Wear-resistant, colour-anodised precision scale with high resolution for accurate readout of the measuring result

Technical data
































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

Accessories

- **1 Pressure-Set**, suitable for models with weighing range < 2,5 kg/25 N, SAUTER 281-890
- **2 Pressure-Set**, suitable for models with weighing range ≥ 5 kg/50 N, SAUTER 285-890
- **3 Clip**, suitable for models with weighing range ≤ 2,5 kg/25 N, SAUTER 281-151-002
- **Bird weighing cone**, suitable for models with weighing range 50 g–500 g, SAUTER 281-891
- **4 Drag pointer** for spring balances, suitable for models with weighing range < 2,5 kg/25 N, SAUTER 281-051-001
- **Drag pointer** for spring balances, suitable for models with weighing range ≥ 5 kg/50 N, SAUTER 285-897

STANDARD OPTION

Model	Weighing range [Max] kg	Division [d] kg	Load support	5 Dimensions			Option	
				Lmin	Lmax	Ø	Factory calibration certificate	
				mm	mm	mm	KERN	
SAUTER 281-101	0,1	0,01	clip	220	300	12	961-100	
281-151	0,25	0,03	clip	220	300	12	961-100	
281-201	0,5	0,06	clip	220	300	12	961-100	
281-301	1	0,1	clip	220	300	12	961-100	
281-401	2	0,3	clip	220	320	12	961-100	
281-451	5	0,6	clip	220	320	12	961-100	
281-601	10	1	clip	220	320	12	961-100	
281-752	20	2,5	hook	225	325	12	961-100	
285-052	5	0,05	hook	370	510	32	961-100	
285-102	10	0,1	hook	370	510	32	961-101	
285-202	20	0,2	hook	370	510	32	961-101	
285-352	35	0,5	hook	370	460	32	961-101	
285-502	50	0,5	hook	370	460	32	961-101	

	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.				

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