### Spring balances SAUTER 281/285



# 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  $360^{\circ}$  for models with [Max]  $\leq 1 \text{ kg}$



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

### **Technical data**

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

# SAUTER

### Accessories

- IPressure-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
- S 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
- 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

Model	Weighing range	Division	Load support	5 Dimensions			Option
				Lmin	Lmax	Ø	Factory calibration certificate
	[Max]	[d]					
SAUTER	kg	kg		mm	mm	mm	KERN
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

# **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.



continuous capture and display of measurements.

Scan mode:



**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:

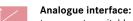
To transfer data from the balance to a printer, PC or other peripheral devices.

Your SAUTER specialist dealer:



Control outputs (optocoupler, digital I/O):

to connect relays, signal lamps, valves, etc.



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



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.



PRINT 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

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

### >0← ZERO:

Resets the display to "0".



ZERO

### 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.



by a electric motor.



### Motorised drive:

Motorised drive:

The mechanical movement is carried out by a synchronous motor (stepper).

The mechanical movement is carried out



### 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:

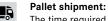
The time required for factory calibration is specified in the pictogram.



1 DAY

### Package shipment:

The time required for internal shipping preparations is shown in days in the pictogram.



The time required for internal shipping preparations is shown in days in the pictogram.

SAUTER Catalogue 2018 | GB

