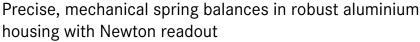


Spring balances SAUTER 283







Features

- Aluminium scale tube: robust, long service life, rustproof
- **Newton scale:** Measuring result displayed in Newton
- Compressive force measurement: possible using an optional pressure set, see accessories
- $\cdot \ \, \text{Carrying handle as standard} \\$
- Drag pointer as standard on all models of the SAUTER 283 range with [Max] ≥ 50 N
- Handrail: thanks to the rotating handrail the scale can always be aligned to be at the very best line of sight, on all models of the SAUTER 283 range with [Max] ≥ 50 N
- 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°
- 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]

Accessories

- In Pressure-Set, suitable for models with weighing range < 2,5 kg/25 N, SAUTER 281-890
- Pressure-Set, suitable for models with weighing range ≥ 5 kg/50 N, SAUTER 285-890
- ■ Clip, suitable for models with weighing range ≤ 2,5 kg/25 N, SAUTER 281-151-002
- In 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





Model	Measuring	Division	Load support	5 Dimensions			Option
	range			Lmin	Lmax	Ø	Factory calibration certificate
	[Max]	[d]					
SAUTER	N	N		mm	mm	mm	KERN
283-152	1	0,01	clip	225	305	12	961-1610
283-252	3	0,02	clip	225	325	12	961-1610
283-302	6	0,05	clip	225	325	12	961-1610
283-402	10	0,1	hook	225	325	12	961-1610
283-422	25	0,2	hook	225	325	12	961-1610
283-483	50	0,5	hook	370	510	32	961-1610
283-502	100	1	hook	370	510	32	961-1610
283-602	200	2	hook	370	510	32	961-1610
283-902	500	5	hook	370	460	32	961-1610

Datasheet_283_V1



Pictograms



Adjusting program (CAL):

For quick setting of the instrument'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.



Scan mode:

continuous capture and display of measurements



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 measuring instrument to a printer, PC or other peripheral devices.



Data interface Infrared:

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



Control outputs (optocoupler, digital I/O):

to connect relays, signal lamps, valves, etc.



Analogue interface:

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



Statistics

using the saved values, the device calculates statistical data, such as average value, standard deviation etc.



PC Software:

to transfer the measurement data from the device to a PC.



Printer:

a printer can be connected to the device to print out the measurement data.



GLP/ISO record keeping:

of measurement data with date, time and serial number. Only with SAUTER printers



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 (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



ZERO

ZERO:

Resets the display to "0".



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.



Motorised drive:

The mechanical movement is carried out by a electric motor.



Motorised drive:

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



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.



Package shipment:

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



Pallet shipment:

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

Your KERN specialist dealer: