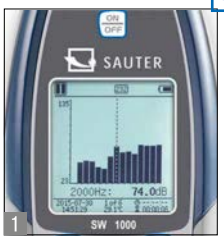
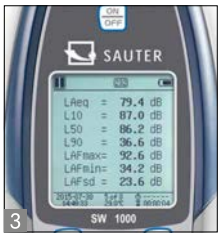
PREMIUM ★★★





First-class professional Class I, Class II sound level meter

Features

- Ideal for measurements for workplaces outdoor, e.g. at airports, on building sites, in road construction etc. with broad access to spectrum thanks to the highly-accurate 24-Bit A/D converter
- **Floating point evaluation** for higher level of accuracy and better stability
- The **optimised analogue frontend switch** reduces the ambient noise and increases the linear measuring range
- A specially-developed algorithm permits a compliant **dynamic range of more than 120 dB!** (SW 1000: > 123 dB; SW 2000: > 122 dB)
- Three profiles and 14 user-defined measurements can be calculated in parallel with different frequency and time weighting
- 1 **Different sound pressure levels can be selected,** such as, Laeq, LcPeak, LaF, LaFMax, LaFMin, SD, SEL, E
- **LN statistics and display of the graph showing the progression of time**
- **User-defined integral interval measurement** up to a maximum of 24 hours is possible
- **Frequency weighting** (filter) A, B, C, Z
- **Time interval** during measurement: F (fast), S (slow), I (pulse)
- Freely-definable limits for the output of an optical alarm signal
- **Peak hold function** to capture the peak value
- 2 **Octavo function** for targeted sound analysis
- **TRACK function** with graphic display of a measurement
- Calibration mode (with optional calibrator)
- 3 **Data logging function** with date and time in the device and data transfer using MicroSD (4G) memory card (included with delivery), RS-232 or USB
- **Trigger mode:** Analogue signal to switch the device on or off with 3.5 mm plug
- **Automatic measurement for timer function** is possible
- **Selectable frequency for recording measurements**: 10, 5, 2 Hz
- **Operating languages:** GB, DE, FR, ES, PT
- 4 Delivery in robust transport case
- 5 Option of fitting a stand on the rear of the housing, ¼" thread

Technical data

- Applicable standards:
  IEC61672-1:2014-07
  GB/T3785.1-2010
  1/1 Octavo in accordance with IEC 61260:2014
- ½ inch microphone
- Permissible ambient temperature range -10 °C/50 °C
- Output (direct or alternating current)
- AC (max 5 VRMS), DC (10 mV/DB)
- Mains operation as standard
- Battery operation, 4× 1.5V AA, not included, operating time up to 10 h
- Dimensions W×D×H 80×36×300 mm
- Net weight approx. 400 g

Accessories

- **Plug-In for data transfer of measuring data** from the measuring instrument and transfer to a PC, e.g. in Microsoft Excel®, SAUTER AFI-1.0
- 5 Stand, W×D×H 430×90×90 mm, 1250×750×750 mm (moved out), SAUTER SW-A05
- 6 SD-memory card, storage capacity 4 GB, SAUTER SW-A04
- Calibrator for regular adjustment of the sound level meter, SAUTER ASU-01
- Foam draft shield, SAUTER SW-A03

STANDARD

OPTION

Model SAUTER	Accuracy class	Measuring range Linear dB	Frequency range dB	Sensitivity V/Pa		Option DAkkS calibration certificate DAkkS KERN		Option Factory calibration certificates KERN	
SW 1000	1	22–136	0,003–20 kHz	50 m V/Pa		963-281		961-281	
SW 2000	2	25–136	0,02–12,5 kHz	40 m V/Pa		963-281		961-281	

Datasheet_SW_V1

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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.

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 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.

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 measurements from the device to a PC.

Printer:
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 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:
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 SAUTER specialist dealer: