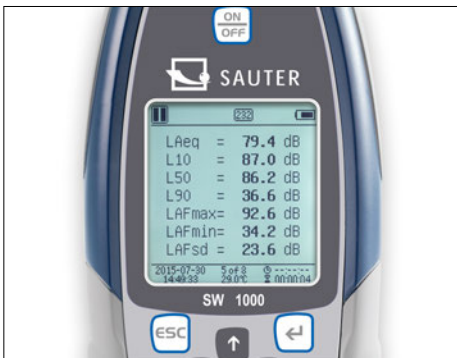




First-class professional Class I, Class II sound level meter

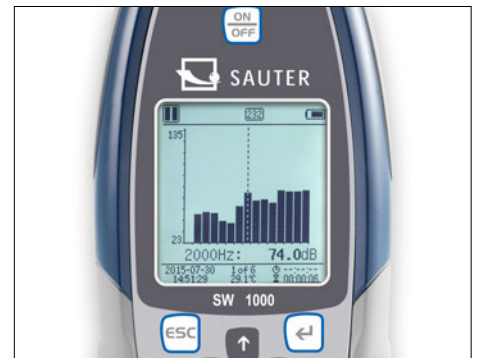
09



Data logging function with date and time in the device...



... and data transfer using MicroSD (4G) memory card (included in delivery), RS-232 or USB



Different sound pressure levels can be selected, such as, LAeq, LcPeak, LaF, LaFMax, LaFMin, SD, SEL, E

# Sound level meter SAUTER SW



## Features

- Ideal for measurements for workplaces outdoor, e.g. at airports, on building sites, in road traffic 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
- 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
- Octavo function for targeted sound analysis
- TRACK function with graphic display of a measurement

- Calibration mode (with optional calibrator)
- Trigger mode: external start/stop of measurement via 3.5 mm connector
- Automatic measurement for timer function is possible
- Selectable frequency for recording measurements: 10, 5, 2 Hz
- Operating languages: EN, DE, FR, ES, PT
- 1 Delivery in robust transport case
- 2 Option of fitting a stand on the rear of the housing, 1/4" thread

## Technical data

- Applicable standards: IEC61672-1:2014-07 GB/T3785.1-2010 1/1 Octave in accordance with IEC 61260:2014
- 1/2" 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, 4x 1.5 V AA, not included, operating time up to 10 h
- Dimensions WxDxH 80x36x300 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, **€ 90,-**
- 2 Stand, WxDxH 430x90x90 mm, 1250x750x750 mm (moved out), SAUTER SW-A05, **€ 65,-**
- SD-memory card, storage capacity 4 GB, SAUTER SW-A04, **€ 50,-**
- Foam windshield, SAUTER SW-A03, **€ 40,-**
- 3 Calibrator for regular adjustment of the sound level meter, class 1, as well as testing the linearity of sound level meters
  - Applicable standards: IEC60942:2003 Class 1, ANSI S1.40-1984, GB/T 15173-1994.
  - Output frequency 1 kHz (+/- 0,5 %)
  - Output of acoustic pressure, can be selected at 94 dB or 114 dB (± 0.3 dB)
  - Distortion factor < 2 %
  - Stabilisation time < 10 s
  - Permissible ambient temperature range -10 °C/50 °C
  - The calibrator is designed for 1/2" as well as 1/4" microphones (adapter included in the delivery) in accordance with the IEC 61094-4 standard
  - Battery operation, 2x 1.5 V AA, not standard, operating time up to 40 hours
  - Dimensions WxDxH 70x70x48 mm
  - Net weight approx. 137 g
  - SAUTER BSWA-01, **€ 710,-**
  - Factory calibration certificate for calibrator, SAUTER 961-291, **€ 160,-**
  - DAKKS-Calibration certificate for calibrator, SAUTER 963-291, **€ 225,-**

### STANDARD



### OPTION



Model	Accuracy class	Measuring range Linear dB	Frequency range kHz	Sensitivity mV/Pa	Price excl. of VAT ex works €	Option		Option	
						DAKKS calibration certificate	€	Factory calibration certificates	€
SAUTER						DAKKS KERN		KERN	
SW 1000	1	20-134	0,01-20	50	1990,-	963-281	295,-	961-281	210,-
SW 2000	2	25-136	0,02-12,5	40	1220,-	963-281	295,-	961-281	210,-