

Sound Level Meter SAUTER, KERN



WW6CF018

KERN

① Sound level meter SAUTER SU

Professional sound level meter

- Professional sound level meter for measuring noise in areas such as, for example, the environment, mechanical applications, car industry and much more
- Measures the sound intensity in the workplace
- Helps in differentiating between normal noise influences, and excessive noise, e. g. in a production hall
- Data interface RS-232
- Delivered in a hard carrying case

Multi measuring functions:

- Lp: Standard sound level measuring function
- Leq: Energy equivalent sound level measuring mode (type A)
- Ln: Shows the deviation from a pre-defined limit in %

Selectable methods of evaluation:

- A: As sensitive as the human ear
- C: Sensitive for noisier environmental conditions, where there are machines, plant, motors etc.
- F: For areas where sound intensity does not vary

Functions:

- Function to set limits: Programmable target value for go/no-go test values
- TRACK function for continuous recording of variable environmental conditions
- Peak Hold Mode to capture peaks
- Internal memory for measured values, for 30 measurements. Can be displayed on the PC

Technical data:

Measurement accuracy: 3% of [Max]
 Dimensions (WxDxH): 236 x 63 x 26 mm
 Battery operation: batteries as standard 4x 1.5 V AAA
 Net weight: approx. 170 g

Model	Type	Increment dB	Order No.
SU 130.	Lp A	0.1	10 58 39200
	Lp C		
	Lp F		

Accessories

Article	Order No.
Data transfer software ATC-01, interface cable incl.	10 58 39203
Adjustment device ASU-01 for regular adjustment of the sound level meter	10 58 39204
Foam draft shield ASU-02	10 58 39205

Sound level meter SAUTER SW

Professional sound level meters of class I and class II in premium quality

- Data logging function with date and time in the device and data transfer using MicroSD (4 GB) memory card (included with delivery), RS-232 or USB
- Different sound pressure levels can be selected, such as, for example, Laeq, LcPeak, LaF, LaFMax, LaFMin, SD, SEL, E
- Ideal for measurements for workplaces which are outdoors, 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
- 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 Mode to capture peaks
- Octavo function for targeted sound analysis
- TRACK function with graphic display of a measurement
- Calibration mode (with optional calibrator)
- Trigger mode: Analogue signal to switch the device on or off with 3.5 mm plug
- Automatic measurement for timer function is possible
- Measurement value frequency selectable: 10, 5, 2 Hz
- Operating languages: german, English, french, Spanish, Portuguese
- Delivered in a hard carrying case
- Option of fitting a column on the rear of the housing, 1/4" thread



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Technical data:

Applicable standards: IEC61672-1:2014-07, GB/T3785.1-2010,
1/1 octave according to IEC 61260:2014
1/2"

Microphone: -10°C – 50°C

Permissible ambient temperature range: -10°C – 50°C

Output (DC or AC voltage): AC (max. 5 VRMS), DC (10 mV/DB)

Mains operation: standard

Battery operation: 4× 1.5 V AA, not provided as a standard,
operating time up to 10 h

Dimensions (W×D×H): 80 × 36 × 300 mm

Net weight: approx. 400 g

Model	Measuring range dB	Frequency range kHz	Sensitivity V/Pa	Order No.
SW 1000	20–134	0.003–20	50 m	10 58 39201
SW 2000	25–136	0.02–12.5	40 m	10 58 39202

