

Sound level meter SDA



TECHNICAL FEATURES

Microphone

Microphone..... prepolarised electret condenser.
Nominal sensitivity..... 20 mV/Pa .

Sound level meter

Standards..... IEC 61672-1 Class 2 /
IEC 61651 Class 2 / IEC 60804 Class 2
Measured parameters..... L_A
Other displayed parameters..... L_{AFmax} , L_{AFmin} , L_{ASmax} , L_{ASmin}
Frequency weighting..... A
Measuring range..... 30-130 dB
Time weighting..... slow, fast
Overload indicator..... detected at the peak sound-pressure level
Backlighted display..... graphic 128x64 pixels.
Adjustable contrast.
Resolution..... 0,1 dB
Reference direction..... microphone axis
Reference range..... 30 - 130 dB
Reference level..... 94 dB
Reference frequency..... 1000 Hz

Environmental effects

Storage relative humidity..... 95 % RH max.
Storage temperature..... from 0 °C to + 50 °C.
Operating temperature..... from -10 °C to + 50 °C.
Humidity dependence..... in accordance with standard between 30 and 90%RH, reference being at 65%HR and 40°C.
Static pressure dependence..... According to class 2 requirements
Standards..... IEC 61672-1 / IEC 61651 / IEC 60804
Electromagnetical compatibility..... As per 89/336/CEE guideline

Power supply

Batteries..... 3 AAA or rechargeable batteries
(Rq: rechargeable batteries must not be recharged inside the instrument)
Battery life (at 20°C)..... 30 hours min (with alkaline batteries)

Output



DO NOT PLUG USB cable. The output is not USB compatible, the plug is maintenance- and optional accessory-specific.



*Supplied with wind screen

DESCRIPTION

The sound level meter **SDA** is reliable, easy to use and in accordance with metrology requirements. SDA can measures :

- Sound-pressure level

Sound-pressure level L_A
as per two weighting times **FAST** or **SLOW**

To be used for stable or slightly fluctuating sound sources. Sound-pressure level (L_A) unit is **dB(A)** and L_{Amax} and L_{Amin} values are saved.

QUICK START



- ① ② ③ **Function keys** (See table)
 ④ **Erase and back to previous screen**
 ⑤ **Screen key** (See table)
 ⑥ **On/Off key**

Screens

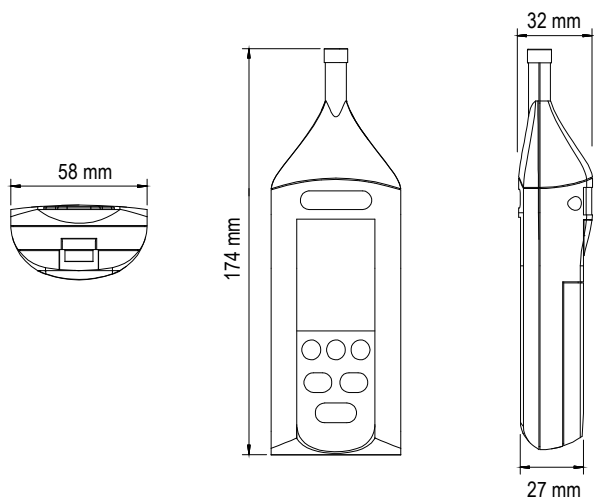
L_A measuring 	Contrast 	Calibration 	About...
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« ^ » symbol indicates the detection of input overload, while « ^ » appears measures must not be taken in account.

FUNCTIONS (Once the device is switched on)

L_A measurement	1x ② → Slow time weighting
	2x ② → Fast time weighting
L_{Amax} and L_{Amin} reset	From L _A measuring screen → 1x ④
L_A : Hold function (During measurement)	1x ③ → Hold
	2x ③ → Re-start
Contrast settings	1x ⑤ → 1x ① → Decrease
	1x ⑤ → 1x ② → Increase
Backlight	1x ⑤ → 1x ③ → Active
	2x ⑤ → 2x ③ → Deactive
Calibration	2x ⑤ → 1x ① → Calibration value decrease of 0.1dB
	1x ⑤ → 1x ② → Calibration value increase of 0.1dB
Language	3x ⑤ → 1x ① → English
	2x ⑤ → 1x ① → French

DIMENSIONS



ACCESSORIES (OPTIONAL)

Acoustic controller

The acoustic controller allows SDA functional check with a reference of 94 dB at 1000 Hz.

Wind screen

To protect the microphone against wind and dust.

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