KIMO INSTRUMENTS

User manual

Pressure / Temperature / Humidity / Air velocity / Airflow / Sound level

CE

Sound level meter
SDA





*Supplied with wind screen

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.

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 **dBA** 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

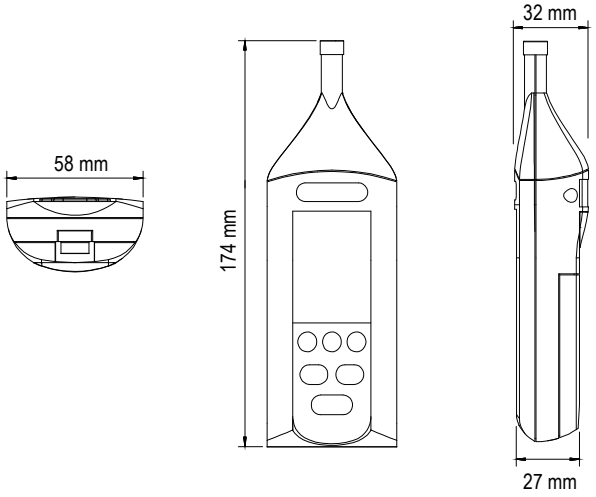
Screens

L_A measuring	Contrast	Calibration	About...
			

« ^ » 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** (2) → Increase
Backlight	**1x** (5) → **1x** (3) → Active **2x** (3) → Deactive
Calibration	**2x** (5) → **1x** (1) → Calibration value decrease of 0.1dB **1x** (2) → Calibration value increase of 0.1dB
Language	**3x** (5) → **1x** (1) → English **2x** (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.

NTang – SDA –19/02/15 – We reserve the right to modify the characteristics of our products without notice.

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