USER MANUAL

SOUND LEVEL METER

PCE-324

ENGLISH



User manuals in various languages (français, italiano, español, português, nederlands, türk, polski) can be found via our product search on:
www.pce-instruments.com



1. Sponge
2. Maximum / minimum Switch
3. A/C Weighing Switch
4. On/oft and Value-locking
5. Display Interface
6. Adjustment for Sound Pressure Level
7. Fast/slow Switch



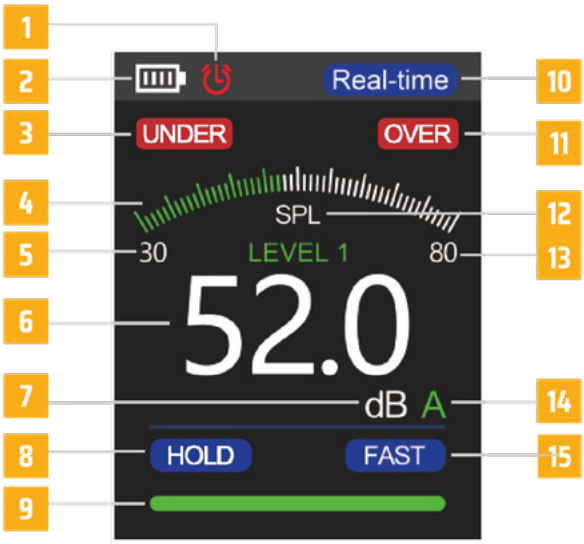
Please read a nd understand the safety considerations before using or repairing the equipment.

- The equipment can‘t be used in high-temperature a nd humid ity environment.
- For ensuring normal use of the equipment, the environment noise must be lower than that of the object measured.
- If you not use the equipment for a long time, please take out the battery, to prevent the instrument from being damaged for liquid leakage.
- If the equipment is used outdoors, a windshield can be installed an head of the MIC.
- Environment conditions for using: The height shall be lower than 200 m, the relative humidity is 80% RH, the working ambient temperature is 0-40°C, used indoors.

INTRODUCTION OF THE PRODUCT

The noise meter can be used for measurement cf noise or volume in various places, such as plant equipment, office, road traffic,household and audio etc.

DISPLAY INTERFACE



1. Sleep state / automatic shutdown function
2. Electricity quantity
3. Fast / slow Alarm for lower than the range Switch
4. Scale simulation bar
5. Minimum range
6. DB value
7. DB unit
8. Locking of the values
9. Environment simulation bar
10. Realtime value
11. Alarm for exceeding the range
12. Sound pressure level
13. Maximum range
14. Weighing A / weighing C
15. Fast / slow

PRODUCT FUNCTIONS

This product is a sound level meter with the highest precision, the precision can be up to ±1.5dB.

1. The sound level meter meets the standards of IEC 61672-1 TYPE 2.
2. Measurement range:30-130 dB.
3. A and C weighing network selection.
4. FAST/slow reaction rate selection, as weil as the responsefeatures of modes A (simulating human ears), and C (mechanical noise), so that the measurement is more accurate.
5. When the device is turned on, the sleep (10 minutes) & automatic shutdown function (20 minutes) are enabled by default, and an alarm clock icon will be displayed in the upper left corner of the device. Lang press the A/C button to turn off or activate this function.

OPERATING INSTRUCTIONS

1. Long press „HOLD“ for booting.
2. Press LEVEL keys of „ ▲ „ or“ ▼ “ to select proper shift for measuring current noise (the alarm symbols of „LINDER“ and „OVER“ shall be not indicated).
3. If the noise feit by human ears is measured, please select dBA, if high intensity mechanical noise is measured, please select dBC.
4. If real-time noise needs tobe read, please select „FAST“ mode; if current mean noise needs tobe read, please select „SLOW“ mode.
5 Press „MAX/MIN“ key to lock the maximum and minimum.

Remark:

1) When the dB value is low: „30-63.3“, no evident harm, the simulation bar indicates green.
2) When the dB value is „63.4-96.6“, which has large influence on people and environment, the simulation bar indicates yellow.
3) When the dB value is „96.7-130“, which is very harmful for people and environment, the simulation bar indicates red.

PRODUCT PARAMETERS

Product Name	Sound Level Meter	
Product Model	PCE-324	
Over/Under range	√	
MAX/MIN testing	√	
Display	4-digit display	
Sampling frequency	500ms	
Weighting properties	A/C	
Sensor	Capacitive Microphone	
Noise testing	Testing range	30 ... 130dBA 35 ... 130dBC
	Testing Accuracy	±1.5dB(94dB@1 KHz) ±5dB(94dB@8KHz)
	Range level	30 ... 80dB, 60 ... 110dB, 80 ... 130dB, 30 ... 130dB (AUTO)
	Resolution	0.1dB
Testing speed	Fast	25ms
	Slow	1s
Auto-off	20 minutes without operation	
Data Hold	√	
LCD backlight	√	
Low battery indication	√	
Battery	1.5V AAA*4pcs	
Working temperature	o ... 4o•c	
Working humidity	10 ... 80%RH	
Storage temoerature	-10 ... 60 °c	
Storage humidity	10 ... 70%RH	
Product Size	227 x 63.4 x 31 mm	

PACKING LIST

Machine	1 sei	Colorful box	1 piece
Sponge	1 piece	Operating manual	1 copy
Tool Bag	1 piece	Certificate/warranty card	1 copy

Remark:

The user manual is only for reference, for any change, without notification otherwise, the real product shall prevail.

DISPOSAL

For the disposal of batteries in the EU, the 2006/66/EC directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose. In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law. For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations. If you have any questions, please contact PCE Instruments.

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