SOUND LEVEL METER

PCE-324



- **Automatic / manual measurement range selection**
- **Fast and slow time weighting**
- **Frequency weighting A and C**
- **Numerical values and traffic light display**
- **Measuring functions: MIN, MAX, HOLD**
- **Automatic power off**
- **Accuracy class 2**

The Sound Meter offers a wide measurement range of 30 to 130 dB (dBA) and 35 to 130 dB (dBC), making it suitable for accurate measurements in various acoustic environments. The accuracy of the device is ±1.5 dB at 94 dB @ 1 kHz. Equipped with functions for A and C frequency weighting and both fast and slow time weighting, our Sound Meter is versatile and adaptable to different requirements.

The 2-inch LCD colour display provides a clear and easy-to-read display of the measured values in numerical form. In addition, the device has a scale that enables a quick visual assessment of the sound level. With a sampling rate of 2 x per second, the Sound Meter records acoustic changes almost in real time and is therefore particularly suitable for monitoring sound levels in dynamic environments.

The Sound Meter is equipped with functions such as MIN, MAX and HOLD. Thanks to the automatic power off function, the device is energy-efficient and saves battery power, which extends the operating time. The Sound Meter complies with IEC 61672-1 (class II). It is powered by 4 AAA batteries and is therefore mobile and flexible in use. Whether in residential areas, offices, production facilities or other environments - this Sound Meter is versatile and delivers precise results in a wide variety of acoustic scenarios.

Specification

Sound level	
Measuring range	30 ... 130 dBA
Resolution	0,1 dB
Accuracy	±1.5dB (94 dB @ 1 kHz) und ±5 dB (94 dB @ 8 kHz)
Sound level	
Measuring range	35 ... 130 dBC
Resolution	0,1 dB
Accuracy	±1.5dB (94 dB @ 1 kHz) und ±5 dB (94 dB @ 8 kHz)
Sound level	
Measuring range	30 ... 80 dB
Resolution	0,1 dB
Accuracy	±1.5dB (94 dB @ 1 kHz) und ±5 dB (94 dB @ 8 kHz)
Sound level	
Measuring range	60 ... 110 dB
Resolution	0,1 dB
Accuracy	±1.5dB (94 dB @ 1 kHz) und ±5 dB (94 dB @ 8 kHz)
Sound level	
Measuring range	80 ... 130 dB
Resolution	0,1 dB
Accuracy	±1.5dB (94 dB @ 1 kHz) und ±5 dB (94 dB @ 8 kHz)

General technical data	
Measuring functions	MIN, MAX, HOLD
Time evaluation	fast (125 ms), Straight (1 sec.)
Frequency weighting	A, C
Display Typ	LC color display with illumination
Display size	2 Inch
Measuring rate	2 x per second
Microphone type	Condenser microphone
Norm(en)	IEC 61672-1 (Class II)
Automatic power-off	20 min.
Tripod thread	1/4 inch
Menu language	English (US), English (GB)
Protection class (device)	IP20
Battery/battery	4 x 1,5 V AAA Battery (1,5V) , Alkali-Manganese
Battery capacity	1200 mAh
Operating conditions	0 ... 40 °C , 10 ... 80 %RH
Storage conditions	-10 ... 60 °C , 10 ... 70 %RH
Dimensions (L x W x H)	210 x 64 x 32 mm
Weight	123 g