

SOUND LEVEL METER

PCE-SLM 50



- » **Class 1 accuracy IEC61672-1:2013**
- » **Frequency range: 10 Hz ... 20 kHz**
- » **Frequency weighting: A, C, Z**
- » **Time weighting: S, F, I**
- » **Ethernet, WiFi, USB Type-C**
- » **Internal memory: 8 GB**
- » **External memory: 32 GB / 64 GB SD card**
- » **Measurement parameters: Lp, Lmax, Lmin, Leq, Lpeak**
- » **4-inch TFT touch display**
- » **PC software**

The sound level meter is certified in accordance with IEC 61672-1:2013, Class 1 and is ideally suited for professional use in noise monitoring. With a wide frequency range from 10 Hz to 20 kHz and extensive filter options, the device enables precise measurements in almost all areas of application. The frequency weightings A, C and Z as well as the time weightings S (Slow), F (Fast) and I (Impulse) are supported in order to always ensure application-appropriate measurement behaviour.

The sound level meter also impresses with its comprehensive connectivity: Ethernet, WiFi and USB Type-C enable flexible and uncomplicated data transfer. The internal 8 GB memory and optional SD cards with up to 64 GB provide sufficient storage capacity for extensive measurement campaigns. The high-resolution 4-inch TFT touch display ensures intuitive and convenient operation.

Specification

Sound level	
Measurement range up to	21 ... 143 dBA
Resolution	0,1 dB
Accuracy	±1 dB @1000 Hz / ±1.5 dB @31.5 Hz ... 8 kHz (Class 1)

General technical data	
Outputs	AC signal (3.5 mm jack)
Measuring functions	LXY(SPL), LReq, LXYmax, LXYmin, LXPeak
Measuring functions (additional information)	X = Frequency weighting: A, C, Z Y = Time weighting: F, S, I
Time weighting	fast (125 ms), slow (1 s), Pulse (35ms)
Frequency	10 ... 20000 Hz
Frequency weighting	A, C, Z
Display type	LCD touchscreen
Display refresh rate	1 x per second
Measuring rate	48 kHz
Storage capacity	8 GB
Memory capacity (additional information)	Internal: 8 GB, External: max. 64 GB SD card
Storage interval from	1 s
Storage interval to	24 h
Microphone type	Condenser microphone
Classification	Class 1
Interface	USB-C, Ethernet, SD card
Standard(s)	IEC 61672-1:2013, GB/T 3785.1-2010
Operating time	17 h
Operating time additional information	Screen and Wifi switched off
Tripod thread	1/4 inch
Menu language	English (GB), English, Chinese
Protection class (device)	IP20
Power supply	5V USB
(Rechargeable) battery	2 x 3,6 V internal , Lithium-ion battery
Capacity	6600 mAh
Operating conditions	-20 ... 60 °C , 90 % RH
Storage conditions	-20 ... 60 °C , 90 % RH
Dimensions (L x W x H)	262 x 89 x 42 mm
Weight	470 g