

PULSE SOUND LEVEL METER

PCE-ISM 10ILEQ



- » **measurement functions: HOLD, MAX, LEQ**
- » **time weighting: F, S and I**
- » **frequency weighting: A, C and Z**
- » **memory: 800 data records**
- » **AC signal output**
- » **battery and mains operation**

Our pulse sound level meter is specially designed to precisely detect and measure short, pulse-like noises such as explosions, blows or bangs. The pulse sound level meter records sound levels within a range from 20 to 130 dB, with three manual measurement ranges available. Our pulse sound level meter offers various measurement functions such as Hold, Max and Leq in order to visualise the sound level in the best possible way.

For an accurate time weighting, the pulse sound level meter supports the settings Fast, Slow and Pulse as well as the A, C and Z frequency weightings. This allows sound within the frequency range from 20 to 8000 Hz to be recorded in a filtered manner. Equipped with an integrated 1/2-inch condenser microphone and an RS-232 interface, the device offers a wide range of applications. Its short response time makes it possible to reliably register sudden sound pressure peaks.

The internal memory function allows the storage of up to 800 individual measurements as well as regular measurements over a period of up to 6 days, which can be saved automatically. The pulse sound level meter fulfils several standards: IEC 61672-1, GB/T3785.2-2010 and JJG 188-2017, all in class II - making it the ideal choice for standard-compliant measurements. It can accurately capture the rapid fluctuations in sound levels and is therefore important for noise control measurements, peak sound level assessment and industrial and environmental compliance.

Specification

Sound level	
Measurement range up to	20 ... 90 dB
Resolution	0,1 dB
Accuracy	±1.5 dB
Sound level	
Measurement range up to	40 ... 110 dB
Resolution	0,1 dB
Accuracy	±1.5 dB
Sound level	
Measurement range up to	60 ... 130 dB
Resolution	0,1 dB
Accuracy	±1.5 dB

General technical data	
Outputs	AC signal (3.5 mm jack)
Measuring functions	HOLD, MAX, Leq
Connections	1/2 inch microphone
Time weighting	fast (125 ms), slow (1 s), Pulse (35ms)
Frequency	20 ... 8000 Hz
Frequency weighting	A, C, Z
Display type	LCD with backlight
Display size	2,2 Inch
Storage medium	Internal memory
Storage capacity	800 Data records
Memory information	- Integration and statistics function: storage of up to 800 individual measurements
Microphone type	Condenser microphone
Interface	RS232
Standard(s)	IEC 61672-1 (Class II), GB/T3785.2-2010, JJG 188-2017
Menu language	English, English (GB)
Protection class (device)	IP20
Power supply	6 V DC
(Rechargeable) battery	4 x 1,5 V AAA battery , Alkali-manganese
Capacity	1200 mAh
Operating conditions	-10 ... 50 °C , 0 ... 90 % RH
Storage conditions	-10 ... 50 °C , 0 ... 90 % RH
Dimensions (L x W x H)	230 x 65 x 25 mm
Weight	186 g