CONDITION MONITORING SOUND LEVEL METER

PCE-325D-ICA





- **Measuring range from 30 ... 130 dB**
- **Auto and manual measurement range selection**
- **Measurement functions: HOLD, MIN, MAX**
- **Adjustable condition monitoring sound level meter**
- **Time weighting F and S**
- **Frequency weighting A and C**

Our condition monitoring sound level meter records and visualizes sound levels in the range from 30 to 130 dB. It has three manual measuring ranges and an automatic measuring range mode. When the device is switched on, the automatic mode with a range of 30 to 130 dB is activated by default. The manual ranges are 30 to 90 dB, 50 to 110 dB and 70 to 130 dB.

The user can choose between the frequency weightings A and C and between the time weightings "Fast" and "Slow" at the touch of a button. Before the recording mode can be started, the condition monitoring sound level meter must be connected to a PC via a micro USB port and the parameters configured using the PC software. The storage interval, the number of measured values and also the starting point of the condition monitoring sound level meter can be set. Up to 32000 measured values can be recorded with this function. The interval can be set on the condition monitoring sound level meter in steps from 1s to max.

Specification

Sound level	
Measuring range	30 ... 90 dB
Resolution	0,1 dB
Accuracy	±1.5 dB (under reference conditions of 94 dB and 1 kHz)
Sound level	
Measuring range	50 ... 110 dB
Resolution	0,1 dB
Accuracy	±1.5 dB (under reference conditions of 94 dB and 1 kHz)
Sound level	
Measuring range	70 ... 130 dB
Resolution	0,1 dB
Accuracy	±1.5 dB (under reference conditions of 94 dB and 1 kHz)

General technical data	
Measuring functions	MIN, MAX, HOLD
Time weighting	fast (125 ms), slow (1 s)
Frequency weighting	A, C
Frequency	31.5 ... 8000 Hz
Display type	LCD
Display refresh rate	500 mS
Storage medium	Internal memory
Storage capacity	32000 Values
Storage interval from	1 s
Storage interval to	24 h
Microphone type	Electret capacitor
Interface	Micro-USB
Standard(s)	IEC 61672-1 (Class II)
Automatic power-off	3 min
Menu language	English
Protection class (device)	IP52
Power supply	5V DC
Capacity	2500 mAh
Operating conditions	-10 ... 50 °C , 0 ... 80 % RH
Storage conditions	-20 ... 50 °C , 0 ... 80 % RH
Dimensions (L x W x H)	248 x 90 x 35 mm
Weight	307 g