

# Decibel Meter PCE-SLD 10



## Decibel meter PCE-SLD 10

**Sound level data logger with 4 ... 20-mA output / Memory on SD card / Excel data logger / A & C rating / Large LC display**

The sound level data logger PCE-SLD 10 is used for permanent monitoring of the sound level. In addition to storing the measured values, the sound level data logger is able to display the measured values on a display and output them as a 4 ... 20-mA analog value. The sound level data logger has a wide measuring range of 30 ... 130 dB. Frequency weighting is done in A or C depending on the selected measurement mode. Alternatively, the sound level data logger can measure the sound level in fast or slow mode.

The measured values are stored by the sound level data logger as an Excel file on a memory card. This has the advantage that after a measurement, the SD memory card can be easily removed from the sound level data logger and the data can be evaluated without additional software. The PCE-SLD 10 sound level data logger is powered by 6 x 1.5V AAA batteries. For long-term operation, an external plug-in power supply is included in the sound level data logger.

The sound level data logger PCE-SLD 10 is used wherever the noise level has to be permanently monitored and a controller is to carry out further actions. In a production hall, for example, this can be the visualization of the sound level on a large display. Or, in conjunction with switchgear, closing windows and doors when the sound level is exceeded.

- ▶ Wide measuring range up to 130 dB
- ▶ Analog output with 4 ... 20-mA
- ▶ Data interface
- ▶ LC display
- ▶ SD card memory up to 16 GB
- ▶ EXCEL storage
- ▶ External microphone
- ▶ Battery and mains operation

# Specifications

Measuring range	<b>30 ... 130 dB</b>
Measurement accuracy	Based on class 2 according to IEC61672
Resolution	0.1 dB
Frequency	A & C
Term review	Fast: 125 ms Slow: 1 s
Frequency range	31.5 Hz ... 8 kHz
Measuring range selection	30 ... 130 dB (car)  30 ... 80 dB 50 ... 100 dB 80 ... 130 dB
Measurement functions	Hold by pressing a button  Peak Hold Max-Min
Analog output	4 ... 20-mA

**Note: The scaling of the analog output depends on the selected measuring range.**

Adjustment	Via optional calibrator in an internal menu
Data storage	SD card max 16 GB
Storage rate	5 s, 10 s, 30 s, 60 s, 120 s, 300 s, 600 s, 1800 s, 3600 s
Memory error	<0.1% of the total stored data
Refresh rate from the display	About 1 s
Interface	Serial, for live visualization on computers (Data cable SOFT-LUT-USB sold separately)
Power supply	6 x 1.5V AAA batteries 9V / 1 A power adapter
Automatic shutdown	After 10 minutes without operation Disabled when in power supply mode
Operating conditions	0 ... 50°C / 32 ... 122°F, max. 85 rf
Weight	About 230 g / < 1 lb
Dimensions	Device: 132 x 90 x 32 mm / 5.2 x 3.5 x 1.3 in Microphone: 12.5 x 32 mm Cable length: approx. 120 cm

# More information

Manual



More product info



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