



PCE Americas Inc.
711 Commerce Way
Suite 8
Jupiter
FL-33458
USA
From outside US: +1
Tel: (561) 320-9162
Fax: (561) 320-9176
info@pce-americas.com

PCE Instruments UK Ltd.
Units 12/13
Southpoint Business Park
Ensign way
Hampshire / Southampton
United Kingdom, SO31 4RF
From outside UK: +44
Tel: (0) 2380 98703 0
Fax: (0) 2380 98703 9
info@pce-instruments.com

www.pce-instruments.com/english
www.pce-instruments.com

Technical Decibel Meter PCE-MSL 1

Sound Level Meter / Noise Level Meter PCE-MSL 1

**Sound level meter with A-frequency weighting / simultaneous temperature measurement
/ 0.1 dB resolution / HOLD function / extreme value measurement / large frequency range
/ backlit colour LCD**

The Sound Level Meter / Noise Level Meter PCE-MSL 1 is a simple sound measuring device. The sound level meter / noise level meter PCE-MSL 1 is used to quickly determine the ambient volume. In addition to the volume measurement, the sound level meter / noise level meter also has the facility to determine the ambient temperature. The measurement of background noise is important in almost every situation today. For this purpose it is helpful to use a simple sound level meter / noise level meter that gives the user an initial idea about the possible noise level.

The LC display gives clear results of the measurements made by the sound level meter. A backlight is also integrated into the display. The sound level meter is especially ideal for measurements that need to be non-stationary.

- extreme value measurement
- high precision
- fast volume measurements
- backlit colour LCD
- simultaneous temperature measurement
- HOLD function
- large frequency range
- A-frequency weighting
- robust ABS plastic housing
- 1/2" electret condenser microphone
- slow/fast time rating
- alarm at frequency exceeded
- resolution 0.1dB
- display update every 300 ms

Technical specifications:

Measuring range	35...135 dB
Dynamic range	50 dB
Frequency range	31.5 Hz ... 8 kHz
Accuracy	±2 dB
Frequency	31.5 Hz ... 8 kHz
Frequency rating	A
Time rating	fast: 125 ms slow: 1 sec.
Microphone type	1/2" Electret condenser microphone
Visual alarm limits	>100 dB: display shows "HI" < 100 dB: display shows "LO"
Temperature accuracy	±1.5 °C / ±2.7 °F
Resolution	0.1
Data update	300 ms
Battery life	<60 h
Automatic shutdown	after 15 mins inactivity (can be deactivated)
Power supply	3 x 1.5 AAA batteries
Operating conditions	0 ... +60 °C / 32 ... 140 °F, 10 ... 90 % rel. humidity
Storage conditions	0 ... +60 °C / 32 ... 140 °F, 10 ... 70 % rel. humidity
Dimensions	144 x 56 x 30.5 mm / 5.6 x 2.2 x 1.2"
Weight	73 g / 2.5 oz
Standard	IEC 61672-1 Class II

Delivery contents:

- 1 x Sound Level Meter / Noise Level Meter PCE-MSL 1
- 1 x Wind noise suppressor
- 3 x 1.5 V AAA batteries
- 1 x User manual