

1dB

Noise Indicator



Overview

The 1dB is an original low cost device dedicated to noise control. It allows the user to evaluate the noise levels in any environment.

Easy to use, the 1dB noise indicator is an ideal tool for both occasional and professional users who want to quickly estimate a noise nuisance.

With small overall dimensions, this device gives access to the acoustical quantities that are usually reserved to standard sound level meters.

It gives an estimation of the following A weighted quantities: instantaneous sound pressure level L_p with the Fast time weighting, the max hold sound pressure level $L_{p\text{Max}}$ and the continuous equivalent sound pressure level L_{eq} .

A "disco" version is also available with automatic start on the highest measurement range and specific L_{eq} duration.

Main characteristics

Measured quantities

- Measurement in dBA of the instantaneous sound pressure level L_p , using the Fast time constant
- Max hold of the L_p level
- Measurement of the A weighted continuous equivalent sound pressure level L_{Aeq}

Measurement characteristics

- Measurement range from 30 to 120 dB over two ranges
- Display resolution 1 dB
- Linearity of ± 1.5 dB

General characteristics

- 36 hour battery operation
- Dimensions: 16 cm x 6.4 cm x 2.2 cm
- Weight: 150 grams

Option

- "Disco" version



The operating method is shown on the back of the noise indicator.