dB

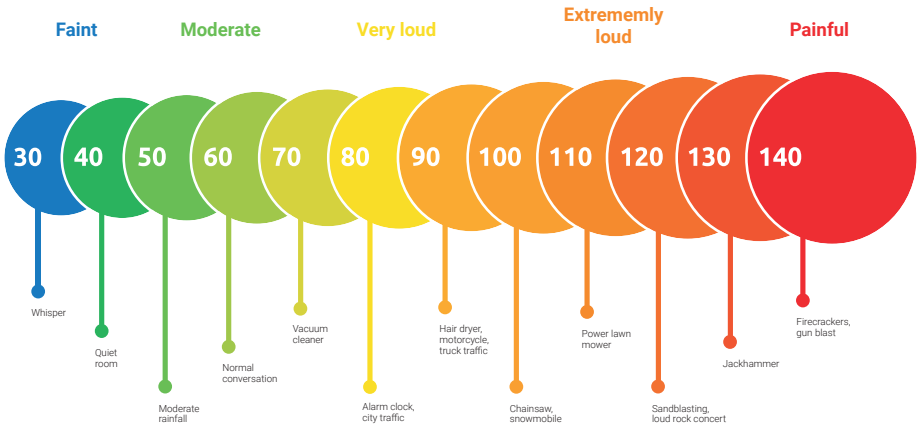
Noise

Where is it found?

Exposure to prolonged or excessive noise has been shown to cause a range of health problems ranging from stress, poor concentration, productivity losses in the work-place, communication difficulties and fatigue from lack of sleep, to more serious issues, such as cardiovascular disease, cognitive impairment, tinnitus and hearing loss.

Why is it harmful?

Noise pollution, like other pollutants, is also a product of industrialization, urbanizations and modern civilization. We can differentiate two main sources: industrial and non-industrial. The industrial source includes the noise from industries and big machines working at a very high speed and high noise intensity. Non-industrial source of noise includes the noise created by vehicles, traffic, aircraft, railroads, construction, noise in buildings, and other consumer products.



Technical specifications

Type	Omnidirectional mic	**Operating temperature range**[3]	-10 to 50 °C
Unit of measurement	dB(A)	**Operating RH range**[4]	1 to 95 %RH
Measurement range[1]	40 - 130 dB(A)	**Operating life**[5]	> 24 months
Frequency range	20 - 12,500 Hz	**Typical accuracy (MAE)**[10]	± 1 dB(A)
Resolution[2]	0.1 dB	**Typical precision R²** [10]	> 0.9

* See notes on page 28