

## Sound Level Meter

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## Sound Level Meter for the Environmental noise

**Environmental noise** is not the same thing as the industrial noise. The latter one is much more precise and it is easier to define the source of noise and the level of its influence.



Environmental noise is very often a combination of different sources and depending on who is exposed to it there may be a different attitude towards it. For example, noise coming from the airport near-by, construction sites, football course, railroad, children playground, traffic etc. Correspondingly it may have different features: permanent, long-lasting, frequent, discontinuous, annoying and less annoying. A human factor is very important in that case as something what is absolutely fine for one person may be absolutely unacceptable for the other. There are regulations as for what sound level is allowable and acceptable in different situations, at different places at different times of the day.

To get a fair evaluation of what a noise in reality is Sound Level Meter is the best, quick and very convenient way to do that. The measurements can be single or durable and be conducted at different time of the day and night, for a long time or for 5, 15 and 60 minute-periods which may help to find the average and highest peak of noise during the whole day.

For the legal evidential noise measurements verifiable sound measuring

Equipment must be used (class 1). Often the devices of the Class 2 are accepted, as these acoustic instruments document the significant exceeding of a certain noise level even at high accuracy of  $\pm 1.5$  dB. As a rule, industrial noise can bring to disputes and court trials. Even in such situations sound level measuring devices find their application. Very often in-house or private noise measurements are taken as basis and for example the measurements that can be used in court can be conducted by the Inspectorate (in case of disputes with neighbors or residents, for example). Thus one saves the purchasing of a very expensive sound measuring device of class 1.

