

## Sound Level Meter

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## Sound Level Meter for the Environmental Noise

Use and application of the sound level meter (methods of noise measurements)

To obtain usable results with the sound level meters, certain points should be considered:

- the sound level meter should be used if possible in dry weather or in establishments under dry conditions
- the sound level meter should be placed at a sufficient distance from the houses, facades and other reflectors
- the sound level meter should be used, if possible, at wind speeds less than 5m/s (at wind speeds above 10 m/s the wind protection should be used for sure drawn)
- the microphone of the sound level meter should be placed about 1,3 - 1,5 m above the ground and in the direction of the presumed sound source. Basically, the sound meter should be calibrated (by default, the devices are calibrated). Recalibration should happen approximately after one year. This is done either with an internal calibrator or with the additional external acoustics calibrator.
- All sound measurement conditions should be documented (type of sound level meter, measurement site, measurement period, wind speed, wind direction, temperature, humidity, type of soil between the noise source and the influenced person, calibration data, number and duration of measurements, description of sound sources)

