

Outdoor Noise Kit with Tonal Noise Detection



Features

- Weatherproof case and outdoor microphone
- Real-time 1/3 octave band filters
- Automatic tonal noise detection
- Audio recording
- 12 day battery or external power
- All parts & software included

Applications

- Environmental noise surveys
- Tonal noise assessments
- Construction and demolition sites
- Factory and industrial site boundary noise
- Road traffic and other transport noise
- Wind farm noise survey

Overview

The WPK Outdoor Noise Measurement Kits are designed for outdoor applications, where a meter needs to be left unattended in poor weather conditions to monitor for up to a week:

These noise measurement kits include a Sound Level Meter that was designed specifically for environmental noise measurement. The meter meets the sound level meter standards to Type 1 and makes all the measurements required by most such surveys, including the periodic LAeq and the statistical Ln parameters (L10, L90, etc).

Tonal Noise Detection

This version of the outdoor kit (order codes WPK171C and WPK172C) include a version of the Optimus Green sound level meter with real-time 1/3 octave band filters and the **Tonal Noise Detection** module. You can read more about tonal noise detection and ISO 1996-2:2007 on the sound level meter page.

Our Recommendation

For most 1/3 octave band environmental noise surveys where tonal noise may be an issue we recommend the **WPK171C** Outdoor Kit. This is a Type 1 meter with real-time filters, tonal noise detection, automatic timed measurements and audio recording.

For more details please see the **Which Meter** tab.

1/3 Octave Band Filters

This version of the outdoor kit also includes real-time 1/3 octave band filters. These measurements are used by the tonal noise detection module, but they can be used for other purposes too. A detailed time history of the 1/3 octave band spectra is stored, providing many options for post processing and charting when downloaded to the NoiseTools software.

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Specifications

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|--------------------|---|
| Noise Measurements | See Optimus Green Specifications |
| Connectors | Microphone input from MK:172 Outdoor Microphone External Power Connector |
| External power | 12-18v DC |
| Dimensions | 465 x 180 x 355 mm |
| Weight | 14.1 kg / 31 lbs including: 2 x batteries, charger & outdoor microphone |

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Web Sites

Main site:
<https://www.noisemeters.com>

Product shortcut:
<https://www.noisemeters.com/p/wpk171c/>

Tech Support:
<https://support.noisemeters.com>