

## 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 Class 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 Class 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

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://noisemeters.ie>

Product shortcut:  
<https://noisemeters.ie/p/wpk171c/>

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