

## Vehicle Noise Measurement - Standard Kit



### Features

- Kit includes everything needed
- Automatically calculates averages
- Quick and easy to use
- Operation by one person

### Applications

- Vehicle exhaust noise measurement
- ISO 5130 noise assessments
- Roadside, test station and motor sport venues
- Stationary vehicle sound tests
- Car, light truck and motorcycle noise levels

### Overview

The VK152A and VK151A Vehicle Noise Measurements Kits include everything you need to make sound level checks on car, motorcycle and truck exhausts. As the kit is designed specifically for vehicle noise measurement, the sound level meter has a mode that takes the average from three measurements as required by ISO 5130 similar standards.

### Single Person Operation

As the kit includes a microphone extension cable and remote measurement button, the processes of setting up the microphone and making the measurements can be done by a single person. The operator can sit in the vehicle controlling the engine speed while starting the measurement and averaging process at the same time.

### Vehicle Noise Kit Contents

The standard VNK152A and VNK151A Vehicle Noise Kits include the following parts:

- CR152A or CR151A Optimus Sound Level Meter
- Microphone extension cable
- Remote measurement start button
- Measurement distance and angle template
- Sound Level Calibrator
- User manual and quick start guide

This is not a data logging meter so no software is needed.

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### Specifications

#### Sound Level Meter

|                   |  |
|-------------------|--|
| Standards         | IEC 61672-1 Class 1 or Class 2<br>ANSI S1.4 Type 1 or Type 2 |
| Measurement Range | 20 to 140 dB RMS   |
| Noise Floor       | Class 1 < 18 dB(A), Class 2 < 21 dB(A)                       |
| Weight            | 300g, 10 oz  |
| Power             | 4 x AA Alkaline for typically 12 hours operation             |

For more detailed specifications of the hand-held sound level meter please visit the Optimus Yellow CR152A / CR151A sound level meter page.

#### Sound Level Calibrator

|             |   |
|-------------|---|
| Standards   | IEC 60942 Class 1 or Class 2<br>ANSI S1.40 Class 1 or Class 2 |
| Sound Level | 94.0dB $\pm$ 0.2dB  |
| Frequency   | 1 kHz $\pm$ 1%  |
| Distortion  | < 2%  |
| Power       | 1 x 9v (PP3, 6LR61, 6F22)                                     |

For more detailed information please visit the Class 1 Calibrator or Class 2 Calibrator page.

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#### Web Sites

Main site:  
<https://noisemeters.ca>

Product shortcut:  
<https://noisemeters.ca/product/cr/vnk/vnk150a/>

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