

# Vehicle Noise Measurement Kit



**ROAD VEHICLE  
EXHAUST  
NOISE**

**MOTORSPORT  
REGULATION  
COMPLIANCE**

The Optimus Vehicle Noise Kit from Cirrus Research makes measuring vehicle noise easy and simple. With the powerful technology of an Optimus+ sound level meter behind it, the VNK is a robust and reliable piece of equipment that only requires one operative to use.

**There's no setup or complicated configuration needed. Just switch on, calibrate and press start. It's that simple.**

## Key features:

- Simple to use
- Optimus+ sound level meter included
- Strong and robust carrying case included
- Automatically calculates the average of three measurements
- Meets ISO 5130:2007
- DC and AC out
- Long battery life

## Specifications in brief

Standards	ISO 5130:2007
Recommended sound level meter	Optimus+ Red (CR:161B) All Optimus+ variants can be used
Microphone preamplifier extension cable length	5 meters
Measurement trigger cable length	1 meter (longer length available on request)
Display	High resolution display. Ambient light sensor and illuminated keypad
Microphone	Cirrus Research MK:224
Battery life	Typically 12 hours with alkaline AA Typically 20 hours with lithium AA non-rechargeable

## Why choose Cirrus Research?

- 1) Providing sound solutions since 1970
- 2) UK-based in-house team of experts on-hand to offer help, support, guidance and training
- 3) Rental options available
- 4) Bespoke turn-key solutions available
- 5) We supply quality equipment that is trusted by customers all around the world



## Take vehicle noise measurements to ISO 5130:2007

The Optimus Vehicle Noise Kit allows you to take vehicle noise measurements which comply with the ISO 5130:2007 standard. An excellent solution for motorsport scrutineers to measure vehicles prior to racing. A quick and efficient method to show instantly pass or fail rates of a vehicle.

The built-in vehicle noise function on the Optimus+ combined with the vehicle noise trigger button makes compliance easy and straightforward.

As the standards dictate, three measurements must be taken at the appropriate RPM, with the LAeq value given as the official result of the test.

The Optimus VNK automatically calculates the LAeq from the three measurements you take, meaning no more struggled attempts to work it out quickly for yourself - the Optimus VNK does all the hard work for you!

### A comprehensive vehicle noise testing solution

Included in the Optimus VNK:

- Optimus+ sound level meter
- Acoustic calibrator
- Vehicle noise measurement template
- Microphone preamplifier extension cable
- Microphone tripod
- Vehicle noise measurement trigger button
- Robust carrying case



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