

**Cirrus**  
**optimus**<sup>®</sup>  
 sound level meters

## High Level Noise Measurement option for the optimus Sound Level Meters



- Measurement of noise levels up to 170dB<sup>2</sup> with Class 1 performance
- Ideal for Firing Ranges & Gunfire Noise Measurements
- Compatible with all of the optimus sound level meters<sup>1</sup>
- Automatic calibration adjustment - no manual corrections needed
- All standard instrument measurement functions available

The accurate measurement of noise exposure from firearms has often proved difficult due to the high noise levels generated. In the past you would have needed a very complicated sound level meter and microphone to be able to measure over 140dB. Our new optimus sound level meters can now be fitted with a high level microphone that can measure up to 170dB<sup>2</sup>, quickly and simply.

Simply swap the normal microphone/preamplifier on the optimus sound level meter for the MV:200EH, calibrate as you would normally and you're ready to go.

All of the standard measurement functions of the optimus are available such as LAeq, LCPeak, LEP,d and 1:1 Octave Bands as well as the VoiceTag Audio Recording.

**Cirrus**  
 Research plc  
 dedicated to noise measurement

# Specifications



## MV:200EH High Level Noise Measurement Microphone System

### Measurement Functions

The measurement functions available are determined by the sound level meter used.

Please refer to the instrument specifications for details of the measurements available and the performance of the instrument.

### Performance

The MV:200EH is a Class 1 1/2" Pre-Polarised Electret Condenser High Level Measurement Microphone.

When the MV:200EH is used, the instrument performance is to Class 1 of IEC 61672. This is acceptable for compliance with the 2005 Control of Noise at Work Regulations.

### Notes:

\*1. The MV:200EH is compatible with the following optimum sound level meters:

CR:151A & CR:152A Sound Level Meters  
CR:151B & CR:152B Sound Level Meters  
CR:161A & CR:162A Sound Level Meters  
CR:161B & CR:162B Sound Level Meters  
CR:161C & CR:162C Sound Level Meters  
CR:161D & CR:162D Sound Level Meters  
CR:171A & CR:172A Sound Level Meters  
CR:171B & CR:172B Sound Level Meters  
CR:171C & CR:172C Sound Level Meters

\*2. The upper measurement limit is determined by the THD.

All values, figures and performance statements are typical and are subject to change without notice.



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