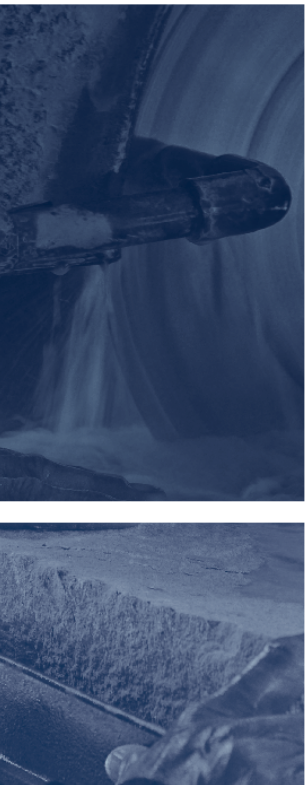


Noise, Sound & Vibration Monitoring **Guide**



MONITORING MADE EASY

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NOISE DOSIMETERS

Noise dosimeters are used to measure the noise exposure of a person over a specific time period. Employers are required to supply their staff with noise dosimeters that will track the amount and level of noise a worker is subjected to. Currently, workers should not be exposed to noise levels above 85dB in an 8-hour period to comply with Occupational Health and Safety standards. Workers in particularly loud industries, such as those involving extended use of heavy machinery, may be subject to permanent hearing damage caused by prolonged exposure to noise.

High noise levels

may initially cause dull hearing and ringing in the ears, whilst regular exposure may lead to loss of hearing and other adverse health effects.

Low noise levels

can interfere with activities or concentration and can cause similar stress and health effects as high noise levels.

The doseBadge range from Cirrus is a noise dosimeter for occupational noise measurements. The doseBadge noise dosimeter measures, stores and calculates the parameters essential to meet compliance for Occupational and Industrial Hygiene Noise Regulations. Measurements can be downloaded to the supplied software for trend analysis and reporting.

doseBadge 4

The doseBadge 4 is the original wireless personal noise dosimeter and is the ideal instrument for personal noise exposure measurements.



- Rugged metal case
- No cables or external microphone
- Reliable and very easy to use

doseBadge 5

The doseBadge5 is the next generation doseBadge noise dosimeter from Cirrus. It provides all the unique features of the original doseBadge such as no controls, cables or displays, with a range of new features.



- Bluetooth connection
- Scheduled start and stop functions
- Automatic calibration detection and USB download

Optimus Red

The Optimus Red is a purpose-built occupational sound level meter, perfect for testing the noise levels in work environments to help meet health and safety compliance levels.



- Simple to operate
- Real-time measurements
- Up to 140dB(A) and 143dB(C) Peak with a single measurement range

Optimus Green

The Optimus Green is for environmental noise measurements, including power generation and aviation noise.



- Real-time 1:1 & 1:3 Octave Band Filters
- Simultaneous A, C & Z Frequency Weightings
- Simultaneous F, S & I Time Weightings
- Single 120dB measurement range

HAND-ARM VIBRATION (HAV)

Hand-Arm Vibration (HAV) is the most common type of vibration that a worker may be exposed to. It is caused by long term exposure to handheld tools and equipment such as sanders, chainsaws and grinders. Hand-arm vibration meters can help to prevent many of these health issues from developing.

HavWear

A revolutionary use of wearable technology to help manage hand-arm vibration exposure risk. HAVwear by Reactec is a tool which monitors daily exposure to the hand-arm vibration and collects the data in a manner that allows occupational health and safety professionals to take effective actions on that data.



- Wrist worn device for truly personal monitoring experience
- Real-time exposure points calculation & display
- Personalised exposure threshold display & alerts
- Low cost, simple to use and fully automated

Revo HAV Meter

The CV:31A Revo™ Vibration Meter provides a simple and convenient way to measure, analyse and assess vibration data. Capable of measuring four channels simultaneously, the CV:31A is ideal for assessing hand-arm and whole-body vibration exposure.



- Meets ISO 8041:2005
- 3 channel FFT for the detection of main frequencies
- Fourth channel for SEAT measurements at driver seats

ENVIRONMENTAL NOISE

Cirrus Invictus

The Cirrus Invictus outdoor noise monitoring system is a purpose designed environmental noise measurement instrument designed for use in a wide range of applications from short term noise measurements to long term noise monitoring projects.



- Simultaneous measurement of all parameters
- Noise event detection with in-measurement audio recording, SMS, Email & Twitter alerts
- Live audio playback via the Noise-Hub2 software
- IEC 61672-1:2002 Class 1 performance

- 120dB measurement range in a single span
- Full weather protection with dual-skinned windshield
- Colour touch screen interface simplifies set up and deployment



KITS

We also provide comprehensive kits including a Noise Exposure Kit, Safety officer Noise Kit. These provide a flexible option to build your own noise measurement kit configured to your needs, all packed up in a convenient carry case.

Applicable Standards which apply to managing and monitoring noise levels in Australia and New Zealand are as follows:

1. Standards Australia, AS/NZS 1269 Occupational noise management Parts 0-4, Standards Australia, Sydney.
2. Standards Australia, AS 1259.1 Acoustics – Sound Level Meters, Part 1: Nonintegrating, Standards Australia, Sydney.



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