

## Environmental and Occupational Noise Combination Kit



### Features

- One or more doseBadge Pro noise dosimeters
- CR1710 Optimus Environmental Type 1 environmental noise meter
- Protective Peli Case
- Full survey using hand-held meter and/or dosimeters
- All calibrated equipment

### Applications

- Assessing mobile and stationary workers
- Full occupational noise survey using sound level meter
- Environmental noise and community noise surveys

### Overview

This combination kit is for those needing to assess worker noise exposure within an industrial setting as well as measuring the environmental noise outside the site, such as that impacting on local residents.

The hand-held meter and the dosimeters both make all the measurements needed by the occupational noise regulations, so either can be used to make a full assessment and noise reports. You have the option to choose which method to use: hand held or noise dosimetry.

### Environmental Noise

The sound level meter, an Optimus Environmental CR1710, is Type 1 (the more accurate grade) and is suitable for occupational and environmental noise surveys. It comes with the usual environmental noise parameters (periodic Leq, Ln, Lmax, etc) as well as the occupational noise parameters, such as LAeq, Lavg, Peak, etc.

### Kit Contents

The Environmental Combination Kit includes the following:

- doseBadge Pro noise dosimeter(s)
- doseBadge Charger and USB Dock
- CR1710 Type 1 Environmental Sound Level Meter
- CR515 Class 1 Sound Level Calibrator
- NoiseTools Software
- Strong, weatherproof carry case
- Calibration certificates for meter, dosimeters and calibrator

This kit includes everything needed for a full and detailed occupational noise assessment and for a hand-held environmental noise survey.

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### Specifications

#### doseBadge Pro Noise Dosimeter Specifications

|               |  |
|---------------|--|
| Standards     | IEC 61252 Personal Sound Exposure Meters<br>ANSI S1.25 Personal Noise Dosimeters |
| Range         | RMS: 60 to 140 dB(A), Peak: 80 to 143 dB   |
| Octave Bands  | Real-time, 63Hz to 8kHz  |
| Parameters    | Date/time, Leq, Lavg, TWA, LEP,d, Lex,8, %Dose, Peak                             |
| Communication | Bluetooth to mobile app, USB to computer   |
| Programmable  | Exchange rate, criterion level & time, Threshold, Time Weighting                 |
| Logging       | 1 second or 1 minute time history (user selectable)                              |
| Dimensions    | 66 x 43 x 53mm, 2.54" x 1.69" x 2.01"  |

For more detailed specifications please visit the doseBadge Pro Noise Dosimeter page.

#### CR1710 Sound Level Meter Specifications

|                 |  |
|-----------------|--|
| Standards       | IEC 61672 Class 1<br>ANSI S1.4 Type 1                      |
| Range           | 20 to 140 dB   |
| Freq. Weighting | A, C and Z   |
| Time Weighting  | Fast, Slow and Impulse                                     |
| Time History    | 10ms, 62.5ms, 100ms, 125ms, 250ms, 1/2 sec, 1 sec or 2 sec |
| Audio           | 16kHz 16bit, 48kHz 24bit,                                  |
| Recording       | 96kHz 32bit  |
| Memory          | 8 GB   |
| Power           | 4 x AA batteries   |

For more detailed specifications please visit the CR1710 Sound Level Meter page.

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#### Web Sites

Main site:  
<https://www.noisemeters.com>

Product shortcut:  
<https://www.noisemeters.com/p/cmb1710/1/>

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