



GS-HL005
Intelligent Headphone Exposure Meter



GS-HL005



The GS-HL005 is used to protect organisations and users that routinely wear headphones in the course of their work, keeping them on the right side of the law. It is a digital exposure meter and attenuator that can monitor and control the level of the connected headphones.

The parameters for the use of headphones are set out in the 'Control Of Noise At Work' regulations 2005. This is a law that everyone must follow or organisations may find themselves liable for any subsequent hearing problems that may arise from is employees.

- **Monitors headphone exposure and provides user with spoken warnings**
- **Includes PC logging software with daily dosage alerts**
- **USB connection for uploading dosage profile and displaying realtime information**
- **User can override and accept personal responsibility**
- **Calibration available for various headphones & headsets**
- **Power via 3.5mm jack, USB, or internal li-ion battery**
- **Dimensions: 65mm x 83mm x 26mm**



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- **Automatic Attenuation Of Headphone Levels**
The GS-MPI005 follows the Control Of Noise At Work regulations. This states the rules for headphone listening levels over time (see separate list). A user can select their own listening levels, but if they listen at too high a level their daily 'dosage reserve' will empty quickly. Should a user listen at too high a level for too long, then the unit falls back to a safe background level. This dosage reserve resets at the start of a new day.
- **Spoken Instructions & Warnings On Headphones**
For ease of use, the GS-HL005 instructions are spoken to the operator at each power on over the headphones. The user can check their audio reserve at any time and as the daily reserve reaches its lower limits the user receives staged warnings
- **Audio Dosage Levels Configurable**
Should the legislation change at any time the GS-HL005 can be easily re-configured to allow for the new rules.
- **User Override**
The user still has ultimate control of the system. Should the daily reserve be depleted, the user can reset the device to refill the dosage reserve. In doing this the user will have to accept personal responsibility. This action is recorded in the device and logged to the PC software on the next USB connection. This protects the organisation as a record of the users personal liability is kept.
- **Includes PC Software For The User & Administrator**
The GS-HL005 has an in built clock and calendar to measure daily dosage against time, and log all dosage and user actions. When connected to the PC, the dosage profile is updated to the admin software and saved. This information can easily be recalled at any time.

The admin utility also contains a wide list of headphones that have been calibrated for use with the GS-HL005. This can easily be updated for any type of headphone or headset.
- **Multiple Powering Options**
The powering options allow the unit to be used in multiple ways:
 - **USB.** Power and battery charging occurs when the USB lead is connected. Furthermore, you will also get an on screen level meter on the PC
 - **External plug top** supply via 3.5mm jack. This will power the unit and also recharge the batteries.
 - **Li-Ion batteries** are used for the longest useable life

If no audio is received for any period of time the unit enters a sleep mode to preserve battery life.
- **Discrete Unit**
The GS-HL005 is a lightweight unit measuring only 65mm x 83mm x 26mm and is in a smooth edged casing. It can easily be supplied with a belt clip, or fixed under a desk, or beside a monitor.



Control Of Noise At Work Regulations 2005



The Control Of Noise At Work Regulations 2005, stipulate the listening levels over time that are considered safe. Organisations have an obligation to protect their staff and are required to take the necessary steps to ensure these rules are adhered to.

The daily listening limit is a time weighted average of 80dB(A). Examples of this equates to:

- 80 dB(A) for 8 hours.
- 80 dB(A) for 4 hours, and 100 dB(A) for 3 minutes.
- 73 dB(A) for 7 ½ hours, and 91 dB(A) for 30 minutes.
- 85 dB(A) for 2 hours, and 74 dB(A) for 6 hours.
- 103 dB(A) for 2 minutes 30 seconds.
- At 118 dB(A) your whole 8 hour exposure allowance will be used in under 5 seconds!

Current regulations can found at: <http://www.hse.gov.uk/noise/regulations.htm>



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