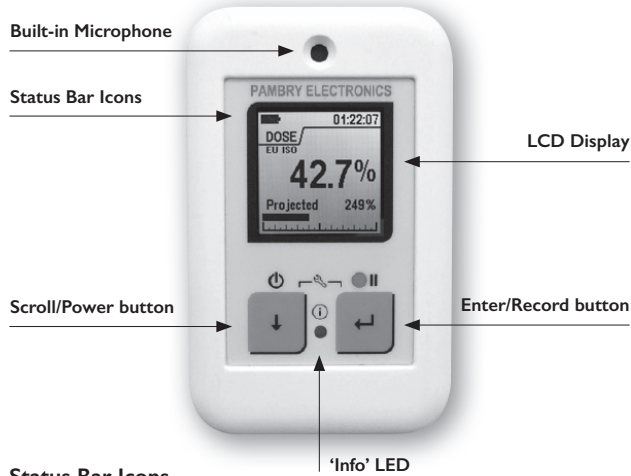








## DESCRIPTION



### Status Bar Icons

-  Battery level Indicator
-  Wireless connectivity enabled
-  Mobile phone app. connected
-  Report enabled
-  Wearing Ear Defender
-  External Microphone Connected
- 00:00:00** Noise dose record duration - HH:MM:SS
- OL** Acoustic Overload recorded.  
Recorded dose may not be accurate

### Supplied with your Listen Ear™

- Quick Start Guide
- User Manual
- Micro USB 2.0 Cable 1.5m



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# Listen Ear™ Personal Noise Dose Meter



## Quick Start Guide

Refer to the full User Manual for detailed description and specifications.

## INTRODUCTION

Welcome to your new purchase of your Listen Ear™ Noise Dose Meter and thank you for choosing Pambry Electronics Ltd, a dedicated UK manufacturer of audio products sold worldwide.

This professionally made and calibrated instrument is far and away the best value for money device of its type in the world. It will assist you to monitor your hearing health and in particular Noise Induced Hearing Loss (NIHL).

As one of the smallest and lightest units made, its ease of use belies the hidden complexity inside. The theory behind NIHL is beyond the scope of this Quick Start Guide however a simple explanation is provided which should help your understanding of how hearing loss occurs and what preventive measures can be taken.

## FEATURES

- Compact and light design to clip on during the working day
- View current noise level and total exposure of the day on back lit LCD display
- Knock and Vibration Cancelling Technology - patent applied (1611153.6)
- Revolutionary design to simulate the effect of wearing ear defenders
- Use Mobile Phone to control and view data
- Battery life up to 160 hours / 4 working weeks
- Charged using USB
- Pre-set and custom Dose criteria settings including: ISO, OSHA, ACGIH, NIOSH
- Up to two simultaneous Dose analysers, each using different criteria
- Comply to the 'Control of Noise at Work Regulations 2005 (UK)
- Complies to international standards: IEC 61672-1, IEC 61252
- Produce a daily report and statistics of the work environment by downloading data
- Default 8-hour day
- Tamper proof facility
- Bright LED for dose alarm warning
- Contains A, C and Z-weighting filters to mimic the frequencies heard by the human ear
- Built in Internal or optional External Microphone
- Calibrated during manufacture
- Data logging - Noise Dose / Sound Level / Temperature / Humidity / Movement
- No USB Drivers required to download data
- Class 2 sound level meter
- Includes movement and orientation monitor
- Records Temperature and Relative Humidity

## SWITCH ON/OFF

To switch your Listen Ear™ ON press the SCROLL/POWER key. The Pambry 'splash' screen will appear followed by the recently used 'page'. Pressing the SCROLL/POWER key for 1 second will turn the unit OFF. Unit will switch itself OFF if there is no movement detected for 1h (not applicable when record is active).

## MEASUREMENT SESSION

Press the ENTER/RECORD key for 1 second to start or stop the measurement session.

All parameters are recorded simultaneously – Sound Level, Dose, Temperature and Humidity. User can change between various pages by pressing the SCROLL/POWER key.

The default dose calculation method is factory set in accordance with European Standards. Do not alter these settings unless you are familiar with EU/OSHA standards. Configuration may be set to defaults in the 'settings' menu.

## BATTERY CHARGING

Before use ensure the unit is fully charged by plugging the device into a suitable charger or computer USB port. You may find during this operation that this device appears as a disk drive on your computer. Do not worry - this is normal.

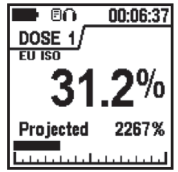
Any 5V charger with Micro-USB connector can be used. The Info LED goes green when battery is fully charged.

## AVAILABLE PAGES

There are a number of different 'pages' so called because each represents a specific measurement or function. Each Scroll key press change to the next 'page' and eventually back to where you started. Active pages can be selected from 'settings/pages' menu. Status Bar displays current battery state, record duration and info icons on every page.

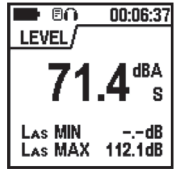
## Dose

- Current Noise Dose percentage
- Projected Noise Dose percentage (at the end of the 8h shift)
- Graphic representation of the Current Noise Dose (0-100%)



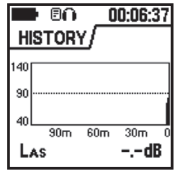
## Level

- Current Sound Pressure Level
- Maximum Sound Pressure Level (current session)



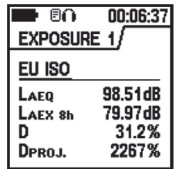
## History

- Last 90 minutes of Sound Pressure Level
- Current Sound Pressure Level



## Exposure (current session)

- L<sub>EQ</sub> - equivalent continuous noise level
- L<sub>EX8h</sub> - noise exposure level averaged over 8h
- Current Dose percentage
- Projected Dose percentage at 8Hr point



## Temperature

- Current temperature
- Current humidity
- Minimum temperature and humidity (current session)
- Maximum temperature and humidity (current session)

