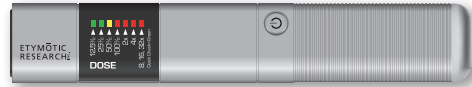


# DOSIMETER

Personal Noise Dosimeter

- Hearing loss from exposure to loud sounds is cumulative.
- Most people find it difficult to judge safe exposure.
- Noise-induced hearing loss is preventable.

Sound level meters measure at discrete times but dosimeters measure continuously over time for a more accurate estimate of risk.



Two Models

ER•200

ER•200DW8



Features	ER•200	ER•200DW8
Color-coded LEDs indicate safe, borderline and high-risk exposure levels	•	•
NIOSH criteria	•	•
OSHA criteria		•
Programmable exchange rate, criterion level and threshold level		•
Programmable Run Time: 16 hrs, 3, 5, 7 days		•
Option to disable power on/off		•
Data tables and printable reports		•
<b>Modes of Operation</b>	<b>Two</b>	<b>Three</b>
<b>Quick Check Mode</b> (2-minute test estimates dose per hour)	•	•
<b>Status Check Mode</b> Memory-full alert		•
<b>Normal Mode</b> Continuously measures noise up to 16 hours Low-battery alert Auto power-off after 16 hours	• • •	• • •

Includes:

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• ER•200</li> <li>• Interpretation chart</li> <li>• 2 Windscreens</li> <li>• Batteries</li> <li>• User manual</li> </ul> | <ul style="list-style-type: none"> <li>• ER•200DW8</li> <li>• PC Interface Software CD</li> <li>• USB Cable</li> <li>• 2 Windscreens</li> <li>• Batteries</li> <li>• User Manual</li> </ul> |
|---|---|


## ✓ Importance of Hearing Protection

Hearing loss from loud sound affects millions of people. Noise-induced hearing loss is preventable, but most people don't know how long they can listen to loud sound without risking hearing damage. A single noise exposure may not result in hearing loss, but permanent damage to the inner ear from noise adds up over time. The accumulation of too much noise day by day, year after year, is the determining factor in hearing loss risk.

## ✓ About Noise Reduction Rating (NRR)

- NRR is a single number based on a formula required by the Environmental Protection Agency in the U.S. that indicates the amount of noise reduction a hearing protector provides.
- There is a numerical adjustment for individual variability and for persons who do not wear hearing protection as instructed.
- Most available hearing protectors not only muffle the high frequencies, but may also provide too much protection. As a result, many persons who are required to wear hearing protectors put them in only part way, or alter the plugs so they can still hear speech and environmental sounds.
- NRR = 12 for ETY•Plugs. Measurements of properly-inserted ETY•Plugs HD Safety earplugs provide almost equal sound reduction of 20 dB across the range of hearing.
- NRR = 25 dB for Etymotic's electronic earplugs. When deeply sealed, they provide 35-40 dB sound reduction for very loud sounds.

## ✓ Adaptive Attenuation

Circuitry in HD•15 electronic earplugs automatically changes output as input levels change. Hearing is natural, as if nothing is in the ears, until sound reaches unsafe levels. Natural hearing is restored when sound returns to safe levels. 

## Why Etymotic?

Etymotic designs products to measure, improve and protect hearing and enhance the listening experience of music lovers everywhere. Etymotic's engineering team is led by founder Dr. Mead Killian, an audiologist, engineer, inventor and jazz musician. Together, audio engineers, musicians and audiologists at Etymotic have generated over 100 patents issued and pending.



Etymotic is the recipient of the prestigious Safe-in-Sound Award for excellence and innovation in hearing loss prevention, jointly awarded by the National Institute for Occupational Safety and Health and the National Hearing Conservation Association.

ETYMOTIC  
RESEARCH

ERO29118-B

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**HD SAFETY**  
PROTECT & HEAR CLEARLY



ETY•Plugs<sup>HD</sup>

HIGH-DEFINITION SAFETY EARPLUGS



HD SAFETY

HIGH-DEFINITION EARPHONES & HEADSETS



HD•15<sup>®</sup>

HIGH-DEFINITION ELECTRONIC EARPLUGS

ETYMOTIC

etymotic.com

# ETY•Plugs® HD



High-Definition Earplugs

# HD•15®

High-Definition Electronic Earplugs



# HD SAFETY™ EARPHONES

HD3 - Earplugs + Earphones + Headset  
HD5 - Earplugs + Earphones



Etymotic's safety products are engineered for persons who operate around continuous loud noise such as power tools, machinery, loud vehicles and construction equipment. Geared for manufacturing, construction and automotive markets.

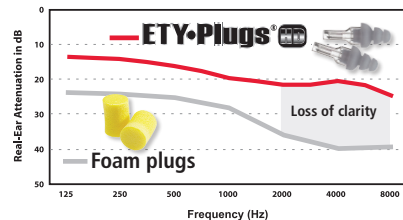
- ✓ Contractors ✓ Warehouse personnel ✓ Construction crews ✓ Heavy machinery operators ✓ Safety inspectors ✓ Mechanics ✓ Carpenters

## The clear alternative to foam earplugs

Unlike typical foam earplugs, **ETY•Plugs HD Earplugs** protect hearing without muffling or distorting sound quality. They keep users aware of their surroundings and reduce end-of-day fatigue.

- 20-dB noise reduction at all frequencies for safe, clear communication
- Available in single and combo packs
- Long-lasting and reusable

NRR: 12 dB



ETY•Plugs HD earplugs provide almost equal sound reduction across the range of hearing. Foam earplugs reduce the high frequencies, degrading the quality of speech.



STANDARD

LARGE

COMBO

- Includes:**
- 1 pair ETY•Plugs HD earplugs
  - Detachable neck cord
  - Carrying case

- COMBO Pack Includes:**
- 2 pairs earplugs (1 Standard, 1 Large)
  - 2 detachable neck cords
  - 2 carrying cases



## Adaptive attenuation

When sound levels are safe, the **HD•15 Electronic Earplugs** provide natural hearing (as if nothing is in the ears), which eliminates the inconvenience of removing the earplugs to hear.

### Two Modes of Protection

#### Natural Mode:

- Provides automatic protection when steady-state noise exceeds safe levels
- Restores natural hearing when noise returns to safe levels

#### Enhancement Mode:

- Amplifies soft sounds up to 5X

### Protection from loud impact noise in both modes

NRR: 25 dB



- Includes:**
- 1 pair HD•15 electronic earplugs
  - Assortment of eartips
  - Flexible neck cord
  - Filter tool and extra filters

- Cleaning tool
- Batteries
- Protective case
- User manual



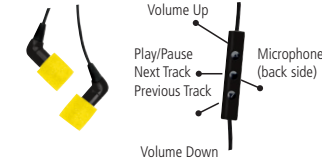
## Safe listening in background noise

**HD Safety Earphones** are reduced-sensitivity earphones engineered for safe-listening and exceptionally clear, high-definition music reproduction. Risk to hearing is minimized, regardless of the volume level from a portable player.

- Promotes safe listening by reducing the risk of overexposure to loud background noise and music
- Operates with phones, music players and tablets
- Blocks external noise; no need to raise the volume to overcome background noise
- Blocks 98% of external sound when used as earplugs only

NRR: 27 dB Foam eartips

NRR: 22 dB Triple-flange eartips



3-button Apple® control



- Includes:**
- 1 pair HD3 or HD5 earphones
  - Assortment of eartips
  - Shirt clip

- Carrying case
- User manual

