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.

Features

- 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

Modes of Operation

- Quick Check Mode
  (2-minute test estimates dose per hour)
- Status Check Mode
- Memory-full alert
- Normal Mode
  - Continuously measures noise up to 16 hours
  - Low-battery alert
  - Auto power-off after 16 hours

Includes:

- ER•200
  - Interpretation chart
  - 2 Windscreens
  - Batteries
  - User manual
- ER•200DW8
  - PC Interface Software CD
  - USB Cable
  - 2 Windscreens
  - Batteries
  - User Manual

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 Killion, 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.
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

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

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

Includes:
- 1 pair HD3 or HD5 earphones
- Assortment of eartips
- Shirt clip
- Carrying case
- User manual

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

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

Includes:
- 1 pair HD3 or HD5 earphones
- Assortment of eartips
- Shirt clip
- Carrying case
- User manual