6isolator™

earphones for apple iPod

ETYMŌTIC RESEARCH INC.

In-the-ear Earphones

- *Noise isolating*
- *High accuracy*

ER·6 isolator™ earphones

ER·4 microPro™ earphones

Apple Worldwide Developers Conference
June 28-July 2, 2004

ER•4 microPro™ earphones

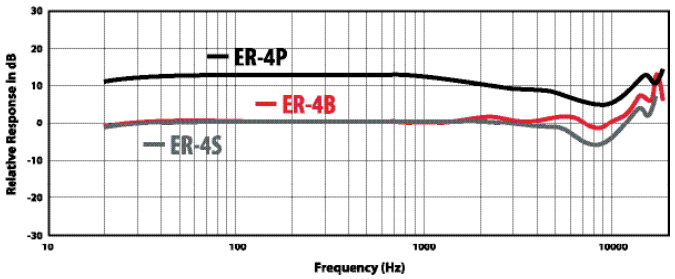
The Next Best Thing to Live Music

- For audiophiles, performing musicians and recording engineers
- Use for mixing, monitoring and critical listening
- Lightweight, compact, fits in your pocket; no battery required

Response Accuracy

ER-4 MicroPro earphones produce transparent, reference-quality sound. The lack of coloration results in smooth treble, full bass and clear, natural reproduction of piano, percussion and orchestral music. ER-4 MicroPro earphones were designed to match the acoustic response of the open ear.

Response of ER-4 Earphones *(referenced to open ear)*

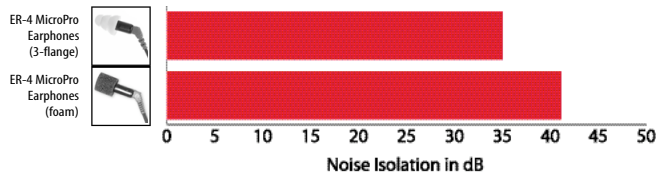


Frequency Response Note:
There are two different ways of presenting frequency response data.
1. The responses shown at the left have been normalized by the target response of the open ear to live performances (CD equalization).
2. The frequency responses shown on the next page are measured on the KEMAR manikin. These are equivalent to probe-microphone responses measured at the eardrum. The frequency response of the ER-4S, when measured at the eardrum, is similar to that shown for the ER-6 earphone.

Noise Isolation

ER-4 MicroPro earphones provide 35-40 dB of sound isolation. ER-4 MicroPro earphones reduce sound naturally, without the internal noise of electronic noise cancellation.

ER-4 Measured Noise Isolation



EARCAL Laboratories, Indianapolis, IN

ER-4P (portable)

- Enhanced bass and higher sensitivity.
- For use with portable players. The ER-4P has 10 dB greater sensitivity at high frequencies and 13 dB more at low frequencies than the ER-4S.

ER-4S (stereo)

- The same frequency response as the ER-4P (except for the bass boost), but less sensitive overall. To compensate for reduced sensitivity, the ER-4S can be used with a headphone amplifier when using low-power portable devices.
- Preferred by musicians.

ER-4B (binaural)

- For use with material that has not been equalized for loudspeaker playback.
- For the binaural recording enthusiast.

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ER•6 isolator™ earphones

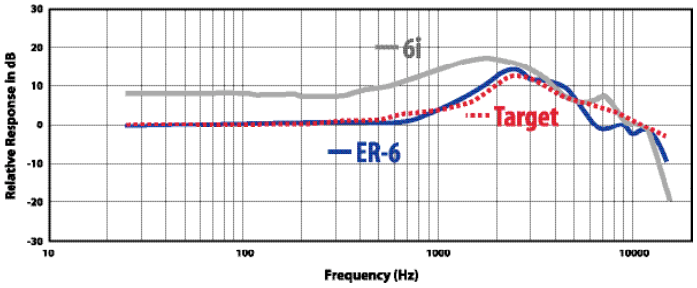
For Travel and Personal Listening

- Use with MP3, CD, DVD players and personal computers
- Lightweight, compact, fits in your pocket; no battery required
- Highest noise isolation (except Etymotic's ER-4 MicroPro earphones)

Response Accuracy

True high fidelity sound reproduction requires the reproduced sound to be as close as possible to the sound of a live performance. The Isolator earphones are designed to match the acoustic response of the open ear.

Response of ER-6 & 6i Earphones (measured at eardrum)

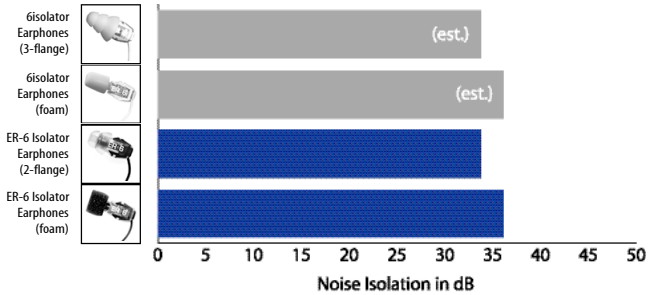


Dotted red line is target frequency response of open ear to live performances (CD equalization)

Noise Isolation

The Isolator earphones reduce environmental sound levels 30-35 dB, allowing you to hear the full range of today's digital recordings without having to play them at unnaturally high and unsafe levels. Since you don't have to boost the volume to overcome external noise, ear overload distortion is minimized.

ER-6 & 6i Measured Noise Isolation



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6isolator™ earphones

6i isolator earphones are designed specifically for use with the iPod and other small portable players, offering 8 dB higher overall sensitivity and slightly more bass than the ER-6 isolator earphones.

In-the-ear Earphone Technology

Etymotic was first

Etymotic Research introduced the ER-4B and ER-4S insert earphones in 1991. The ER-4B (binaural) earphone was designed for listening to precision binaural recordings. It was developed from the ER-1 earphone that was referenced to a flat diffuse field and used primarily for research.

The ER-4S was designed to compensate for the high frequency emphasis in all CD recordings, in order to provide accurate sound reproduction. The high accuracy and exceptional sound isolation of the ER-4S have made these earphones popular with musicians. Performing musicians often use them as in-ear monitors because the response of the ER-4S matches the response of most typical monitor loudspeakers. While wearing the ER-4S, musicians can hear each instrument distinctly while hearing the blend clearly. The isolation of outside sound makes it possible to listen at reduced levels, which prevents hearing damage and ear overload distortion from excessive volume levels.

The ER-4P was designed to produce 10 dB greater output at high frequencies and 13 dB greater output at low frequencies than the ER-4S, to accommodate the wide range of personal players and airline audio systems. For greater flexibility, a connector is available to convert the ER-4P earphones into ER-4S earphones.

ER is still the leader

Other in-ear-earphone designs have tried to match the ER-4 Micro Pro earphones, but not one is comparable to the high-fidelity, reference-quality sound or the isolation of the ER-4. The word Etymotic means "true-to-the-ear," and ER-4 Micro Pro earphones produce the highest sound quality of any earphones available.

Etymotic Research has spent over twenty years developing in-the-ear technology for auditory research, precision monitoring, and critical listening.

ER earphones reduce noise naturally by sliding into your ears like earplugs, blocking out external noise, allowing you to hear every recorded detail.

ER earphones provide the highest external noise isolation of all earphones no batteries required.

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