

Simplicity Hi Fidelity™ EP



Hi Fidelity
OTE

DEVICE FEATURES

- Micro Case
- #312 battery
- Manual Volume Control
- Soft, Free-field Dome
- Sm, Med, or Lg tube size

CONSUMER APPEAL

- Cosmetic Appeal
- 1 yr. Warranty
- Micro-Ploy Tube
- Economical Price
- No Ear Impression
- Same Day Fitting

Hi Fidelity EP accomodates #312 battery that will provide “extended play” time for users.

The Simplicity™ Hi-Fidelity EP was developed to help provide an ideal balance of listening for a wide variety of sounds encountered in everyday life. The wide dynamic range compression/expansion system separates incoming sounds, into low-pitched and high-pitched sounds.

Bass and treble are adjusted automatically and continuously. The sound processing makes soft sounds easier to hear and maintains loud sounds at comfortable levels. The result is pure, clear sound reproduction.

The wide bandwidth eliminates “tinny” sound while providing clearer speech understanding, superior sound quality and the highest fidelity possible. This specialty design protects the sound circuit from very intense sounds that can cause unpleasant distortion.

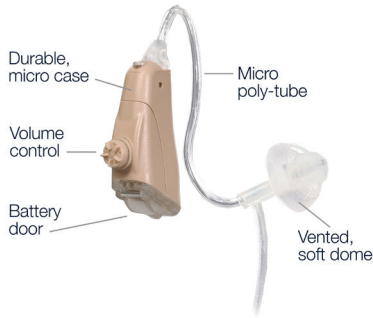
The Simplicity™ Hi-Fidelity EP OTE will allow the user to enjoy the “music of life” once again. Musicians or music enthusiasts will especially appreciate the excellent harmonics that give music its richness.

The user adjustable volume control allows the user to make precise adjustments to gain and output. By not amplifying loud sounds the need to constantly adjust the volume control in different listening environments is eliminated.

The open fit design lets sound flow naturally into the ear and helps to alleviate that “plugged-up” feeling reducing the need for electronic amplification and the opportunity for annoying feedback to occur. The Hi-Fidelity EP device uses #312 battery to provide longer battery life than typical #10 battery.



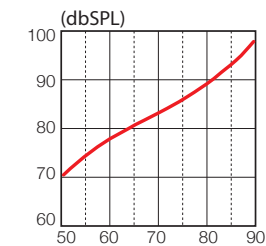
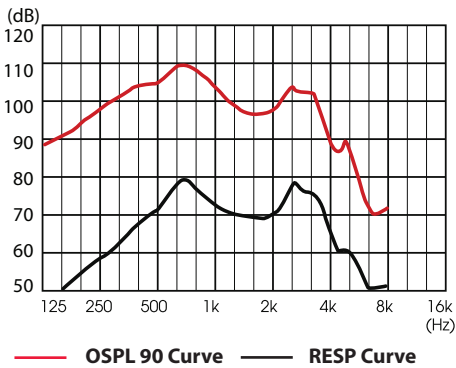
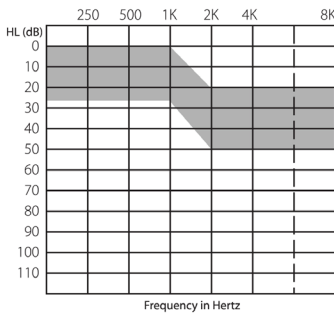
Simplicity Hi Fidelity fits discreetly behind the ear.



Simplicity Hi Fidelity EP Features

- Smooth, undistorted output over a frequency range of 100Hz to 10,000 Hz
- Amplifies only quiet sounds; and is acoustically transparent for loud sounds
- Utilizes a variable-time-constant automatic gain control circuit that virtually eliminates the audible breathy sound
- Automatic circuit operates two electronic controls: a volume control to make quiet sounds audible and a tone compression/expansion circuit to give selective treble boost
- Manual volume control allows users to set the Simplicity™ Hi-Fidelity OTE to their specific comfortable listening level in any situation
- Designed to provide longer battery life
- Built-in LOWBAT™ warning signal system
- Equipped with state of the art electronics
- Thin micro poly tube design offers comfort and flexibility extended wear time
- Miniature case gives a sleek appearance that is virtually invisible to others
- Less prone to failure due to earwax
- Transparent ear canal resonance with open-fit format
- Extended battery life - over 500+ hrs

TYPICAL FITTING RANGE



THD	FREQ	SRC
0.9%	500 Hz.	70 dB
0.2%	800 Hz	70 dB
1.0%	1,600 Hz	65 dB

MAX OSPL90 : 110.6 dB
 AT..... 700 Hz.
 HF AVG 101.8 dB
 HF AVF F.O.G. 23.7 dB
Reference Test Gain
 Target: 24.8 dB
 Measured: 22.6 dB
Response Limit: 45.3 dB
 F1 = 202 Hz
 F2 = 6,000 Hz

Averaging Frequencies
 1000 Hz
 1,600 Hz
 2,500 Hz
 Freq.....2000 Hz
 Attack.....0 mS
 Release833 mS

Eq. Input Noise 27 dB
 Battery (1.3V)..... 0.31 mA

BATTERY SPECIFICATIONS

Battery Drain0.31 mA
 Battery Life (312) 510 Hrs.