

BTE

mini Behind-The-Ear

E Series 3



Sweep™ Technology

An industry first that replaces difficult-to-adjust buttons and dials with an innovative control surface—so patients can make volume and memory adjustments with the sweep or touch of a finger

Feedback Canceller

Virtually eliminates annoying feedback

Environmental Adaptation

Continuously scans the environment and adapts appropriately for Quiet and Noise

Dynamic Directionality

Automatically adapts to ensure optimal performance in all listening situations

Tonal Indicators

Unique tones for memory, low battery, etc.

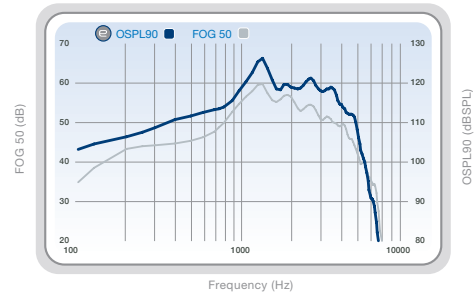
4 Memories Standard

Induction Coil

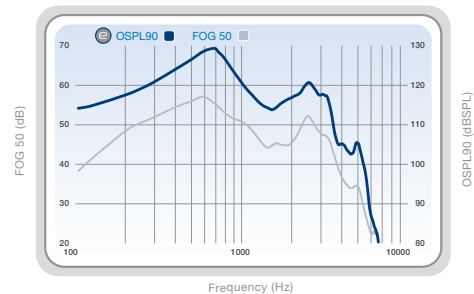
Automatic Coil

E Series BTE mini ANSI/IEC Data

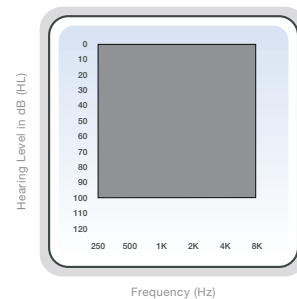
Measurement	Earhook		Thin Tube (Size 3+, Occluded)	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	126	131	119	123
HFA OSPL90 (dB SPL)	119	NA	108	NA
RTF OSPL90 (dB SPL)	NA	128	NA	111
Peak Gain (dB)	60	65	57	60
HFA Full-On Gain (dB)	54	NA	49	NA
RTF Full-On Gain (dB)	NA	63	NA	52
Frequency Range (Hz)	100 - 7000	200 - 7100	100 - 6000	100 - 6400
Reference Test Frequency (kHz)	NA	1.6	NA	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	NA	1.0, 1.6, 2.5	NA
Reference Test Gain (dB)	42	53	31	38
Harmonic Distortion				
500 Hz (%)	<5	<5	<1	<2
800 Hz (%)	<2	<2	<1	<1
1600 Hz (%)	<2	<2	<1	<2
Equivalent Input Noise (dB SPL)	<22	<22	<19	<19
Attack and Release Time (ANSI/IEC) – Test Mode				
Attack Time (ms)	22	5	22	5
Release Time 0.1s (ms)	5-150	5-250	5-150	5-250
Release Time 2.0s (ms)	5-150	5-250	5-150	5-250
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	110	NA	91	NA
MASL (IEC) (dB SPL)	NA	93	NA	82
ANSI/IEC Battery Current (mA)	1.65	1.54	1.57	1.53
Idle Current (mA)	1.5	1.5	1.5	1.5
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	6-8	6-8	6-8	6-8



OSPL90 (blue) and Full-On Gain (gray) curves for the E Series 3 mini with Earhook.



OSPL90 (blue) and Full-On Gain (gray) curves for the E Series 3 mini with Thin Tube.



E Series 3 mini fitting range.

Measurement Conditions and Recommendations

The data for E Series 3 are obtained and performance is expressed according to ANSI S3.22 (2003), ANSI C63.19 (2007), IEC 60118-7 (2005) and IEC 60118-0 (1983) with Amendment 1 (1994-01). The Starkey proprietary Real Time Analyzer and the Starkey Automated Design Verification Test System (SADVTS) comprise the basic test equipment. Data may be subject to change with product refinement.

Because of the adaptive signal processing capabilities of E Series 3 hearing instruments, the hearing instrument must be set to test mode to compare the actual performance of the hearing instrument with these specifications. E Series 3 hearing instruments may be set to test mode with Inspire® by reading the hearing aid and selecting the "Hearing Aid Test" screen from the menu on the left side of the Inspire window, then selecting the "Full on Gain" button.