

BTE

Behind-The-Ear

Source 45



Features

SelecTouch™ 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

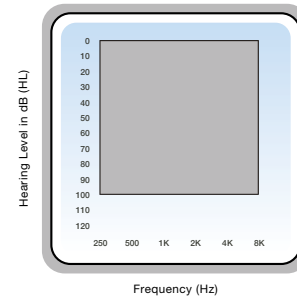
Tonal Indicators

Unique tones for memory, low battery, etc.

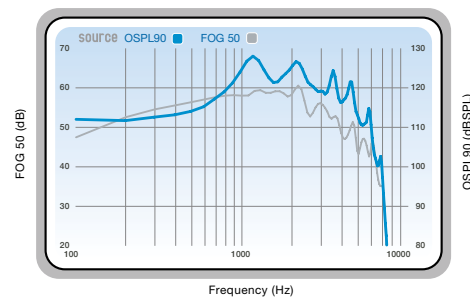
4 Memories Standard

Induction Coil

Automatic Coil



Source 45 BTE fitting range.



OSPL90 (blue) and Full-On Gain (gray) curves for the Source 45 BTE at 128/60.

Source BTE ANSI/IEC Data

Measurement	BTE	
	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	128	135
HFA OSPL90 (dB SPL)	123	NA
RTF OSPL90 (dB SPL)	NA	130
Peak Gain (dB)	60	69
HFA Full-On Gain (dB)	57	NA
RTF Full-On Gain (dB)	NA	67
Frequency Range (Hz)	100 - 6600	NA
Reference Test Frequency (kHz)	NA	1.6
HFA Frequencies (kHz)	1.0, 1.6, 2.5	NA
Reference Test Gain (dB)	46	54
Harmonic Distortion		
500 Hz (%)	<4	<4
800 Hz (%)	<1	<1
1600 Hz (%)	<1	<1
Equivalent Input Noise (dB SPL)	<25	<25
Attack and Release Time (ANSI/IEC) – Test Mode		
Attack Time (ms)	22	5
Release Time 0.1s (ms)	5-150	5-250
Release Time 2.0s (ms)	5-150	5-250
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	109	NA
MASL (IEC) (dB SPL)	NA	97
ANSI/IEC Battery Current (mA)	1.6	1.6
Idle Current (mA)	1.5	1.5
Estimated Battery Life for 16-Hour Day		
13 Zinc Air (days)	9-12	9-12

Measurement Conditions and Recommendations

The data for Source 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 AudioSync proprietary Real Time Analyzer and the AudioSync Automated Design Verification Test System comprise the basic test equipment. Data may be subject to change with product refinement.

Because of the adaptive signal processing capabilities of Source hearing instruments, the hearing instrument must be set to test mode to compare the actual performance of the hearing instrument with these specifications. Source 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.

RF IMMUNITY LEVEL: These hearing instruments have a cell phone immunity rating of M3/T3. For your cell phone to be compatible with these hearing instruments, the cell phone should have an immunity rating of M2 or higher for normal use according to ANSI ratings. Please consult your cell phone specifications for your cell phone immunity rating.