

Power BTE

Behind-The-Ear

5



Features

Sound Imaging

6 channels and 6 bands

Acoustic Scene Analyzer

- Standard 6-channel environmental adaptation
- AudioScapes include: Wind and Quiet

PureWave Feedback Eliminator

- Provides best-in-class feedback cancellation
- When fit open, S Series has the widest fitting range and usable high-frequency bandwidth of any open fit instrument in its class

InVision Directionality

- Automatically adapts to ensure optimal performance in all listening situations
- S Series boasts the highest mean DI scores and the lowest operational noise floor, helping patients significantly increase their understanding in noise

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

Advanced HydraShield®

Starkey's proprietary moisture protection system that integrates nano-coating, unibody construction and smart component placement making S Series standard hearing instruments 100% resistant to water, humidity, perspiration and corrosion—both inside and out

Starkey On Demand

Starkey's leading On Demand options bring the benefits of telehealth to your practice. Designed to elevate your interaction with patients, each one provides an entirely new way for you to provide and deliver care.

T² On Demand

Allows you to make common, standard adjustments to patients' hearing aids over the phone

Audiology On Demand®

Provides on-call access to an audiologist who can remotely operate your fitting computer, offer suggestions and guidance, and ensure a successful fitting

T² Remote

Adjustment for volume and memory via any cell or touch-tone telephone

Live Real Ear Measurement

Provides accurate measures of real-ear output in your patient's ear, in real-ear SPL, while the system evaluates the hearing aid response and matches to your selected target—providing you with the most precise fitting information available

Live Speech Mapping

Verifies hearing aid's processing of speech, or any live acoustic input, in real time

Leisure Listening Memories

TV memory program designed for optimal performance while watching television

Automatic Telephone Solutions

Automatically detects telephone use and adjusts to the optimal acoustic frequency response for telephone listening

Tonal Indicators

Unique tones for memory, low battery, etc.

Auto Path

- Automatic fitting routine
- Provides an accurate and efficient first fit

Verify Comfort

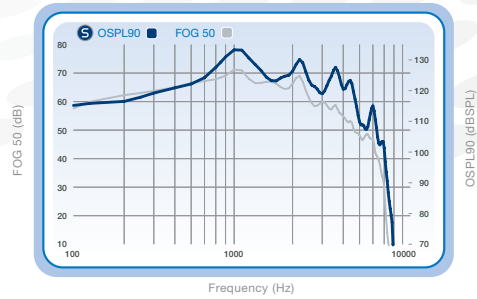
In-Situ Audiometry

Data Logging

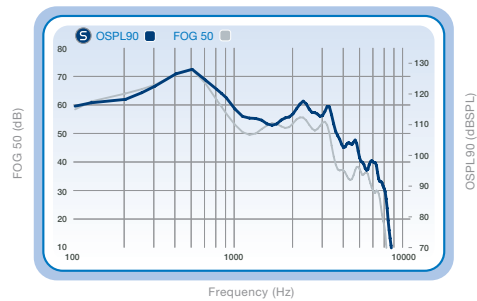
S Series 5 Power BTE

ANSI/IEC Data

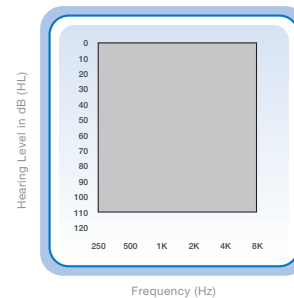
| Measurement | Earhook | | Thin Tube (Size 3+, Occluded) | |
|---|-------------------------|--------------------|----------------------------------|--------------------|
| | ANSI/IEC 2cc Coupler | IEC OES Coupler | ANSI/IEC 2cc Coupler | IEC OES Coupler |
| Peak OSPL90 (dB SPL) | 133 | 138 | 129 | 132 |
| HFA OSPL90 (dB SPL) | 127 | NA | 113 | NA |
| RTF OSPL90 (dB SPL) | NA | 131 | NA | 118 |
| Peak Gain (dB) | 70 | 77 | 72 | 75 |
| HFA Full-On Gain (dB) | 66 | NA | 52 | NA |
| RTF Full-On Gain (dB) | NA | 74 | NA | 61 |
| Frequency Range (Hz) | 100 - 6000 | 100 - 6000 | 100 - 5800 | 100 - 5800 |
| 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) | 50 | 56 | 36 | 43 |
| Harmonic Distortion | | | | |
| 500 Hz (%) | <4 | <4 | <1 | <1 |
| 800 Hz (%) | <1 | <1 | <1 | <1 |
| 1600 Hz (%) | <1 | <1 | <1 | <1 |
| 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) | 112 | NA | 96 | NA |
| MASL (IEC) (dB SPL) | NA | 102 | NA | 91 |
| ANSI/IEC Battery Current (mA) | 1.8 | 1.8 | 1.8 | 1.8 |
| Idle Current (mA) | 1.5 | 1.5 | 1.5 | 1.5 |
| Estimated Battery Life for 16-Hour Day | | | | |
| 13 Zinc Air (days) | 9-12 | 9-12 | 9-12 | 9-12 |



OSPL90 (blue) and Full-On Gain (gray) curves for the S Series 5 Power BTE with Earhook.



OSPL90 (blue) and Full-On Gain (gray) curves for the S Series 5 Power BTE with Thin Tube.



S Series 5 Power BTE fitting range.

Measurement Conditions and Recommendations

The data for S Series are obtained and performance is expressed according to ANSI S3.22 (2003), ANSI S3.7 (1995), ANSI C63.19 (2007), IEC 60118-7 (2005), IEC 60711 (1981), DIN 45605 (1989), 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 S Series hearing instruments, the hearing instrument must be set to test mode to compare the actual performance of the hearing instrument with these specifications. S Series 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.