

## RIC

### Receiver-In-Canal

### Source 45

Available with 40 or 50 gain receiver



#### Features

##### Feedback Canceller

Virtually eliminates annoying feedback

##### Environmental Adaptation

Continuously scans the environment and adapts appropriately for Quiet and Noise

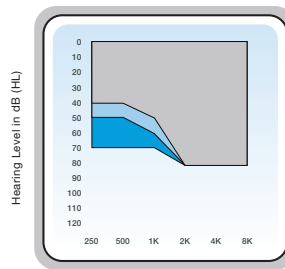
##### Dynamic Directionality

Automatically adapts to ensure optimal performance in all listening situations

##### Tonal Indicators

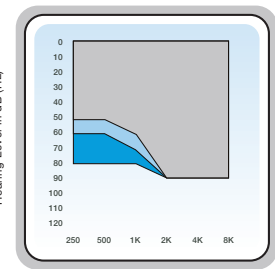
Unique tones for memory, low battery, etc.

#### 4 Memories Standard



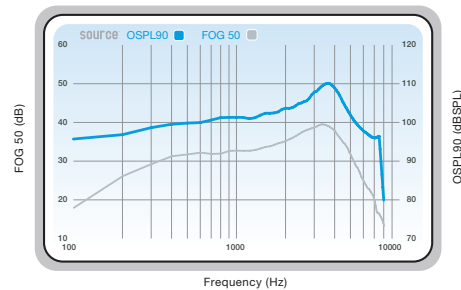
Frequency (Hz)

Source 45 RIC 40 with open earbud (gray), occluded earbud (light blue), and custom occluded earmold (dark blue) fitting range.

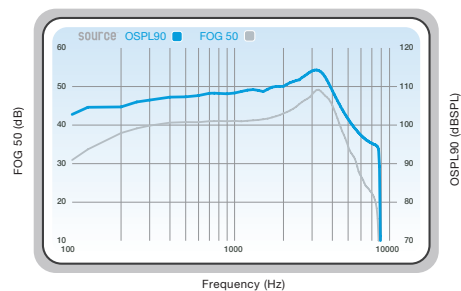


Frequency (Hz)

Source 45 RIC 50 with open earbud (gray), occluded earbud (light blue), and custom occluded earmold (dark blue) fitting range.



OSPL90 (blue) and Full-On Gain (gray) curves for the Source 45 RIC at 110/40.



OSPL90 (blue) and Full-On Gain (gray) curves for the Source 45 RIC at 115/50.

## Source RIC ANSI/IEC Data

Measurement	40 Gain Data		50 Gain Data	
	ANSI/IEC 2cc Coupler	IEC OES Coupler	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110	122	115	126
HFA OSPL90 (dB SPL)	102	NA	108	NA
RTF OSPL90 (dB SPL)	NA	110	NA	116
Peak Gain (dB)	40	51	50	61
HFA Full-On Gain (dB)	31	NA	44	NA
RTF Full-On Gain (dB)	NA	39	NA	51
Frequency Range (Hz)	100 - 7900	NA	100 - 7300	NA
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)	26	32	31	41
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3
Equivalent Input Noise (dB SPL)	<25	<25	<25	<25
Attack and Release Time (ANSI/IEC) – Test Mode				
Attack Time (ms)	20	20	20	20
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)	NA	NA	NA	NA
MASL (IEC) (dB SPL)	NA	NA	NA	NA
ANSI/IEC Battery Current (mA)	1.2	1.2	1.3	1.3
Idle Current (mA)	1.1	1.1	1.2	1.2
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	9-10	9-10	7 - 9	7 - 9

### Measurement Conditions and Recommendations

The data for Source are obtained and performance is expressed according to ANSI S3.22 (2003), IEC 60118-7 (2005) and IEC 60118-0 (1983) with Amendment 1 (1994-01). The AudioSync proprietary Real Time Analyzer as well as 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 M4. For your cell phone to be compatible with these hearing instruments, the cell phone needs an immunity rating of M1 or higher. Please consult your cell phone specifications for your cell phone immunity rating.