



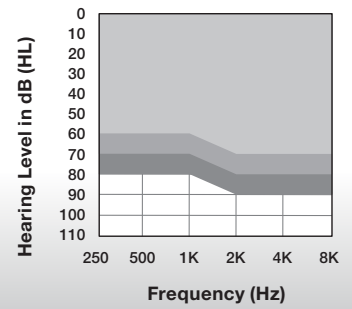
Starkey | Technical Data

RIC 312

Receiver-In-Canal

Fitting Range

- L
- M
- P



Omega AI+ 24 | 20 | 16

Color Guide

Standard Colors



White



Tech Black



Graphite Gray



Silver



Chestnut



Caramel



Beige

Patient Features

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI)

Omega AI+ Technology

- Personal health monitoring technology with embedded sensors and artificial intelligence
- Compatible with StarLink 2.0 accessories and StarLink Edge accessories

	L	M	P	Matrices: L, M, P Battery Size: 312
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Measurement	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	
Peak OSPL90 (dB SPL)	107	117	120	
HFA OSPL90 (dB SPL)	101	113	116	
Peak Gain (dB)	43	49	60	
HFA Full-On Gain (dB)	36	47	56	
Frequency Range (Hz)	<100-9400	<100-9400	<100-9400	
HFA Frequencies (kHz)	1.0, 1.6, 2.5	N/A	1.0, 1.6, 2.5	
Reference Test Gain (dB)	24	36	39	
Equivalent Input Noise (dB SPL) Expansion On (Default)	15	15	15	
Equivalent Input Noise (dB SPL) Expansion Off	24	24	24	
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	
800 Hz (%)	<3	<3	<3	
1600 Hz (%)	<3	<3	<3	
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	N/A	N/A	N/A	
MASL (IEC) (dB SPL)	N/A	N/A	N/A	
Estimated Battery Life for 16-Hour Day				
Without streaming (days)	Up to 6	Up to 6	Up to 6	
With streaming (days)	Up to 5	Up to 5	Up to 5	
Battery Current (mA)	1.5	1.6	1.6	

L

Graph for L matrix showing OSPL90 (dB SPL) and FOG 50 (dB) vs Frequency (Hz). The x-axis is logarithmic from 100 to 10,000 Hz. The left y-axis is FOG 50 (dB) from 10 to 70. The right y-axis is OSPL90 (dB SPL) from 60 to 120. OSPL90 (light gray line) starts at ~50 dB at 100 Hz, peaks at ~58 dB at 2K Hz, and drops to ~65 dB at 10K Hz. FOG 50 (black line) starts at ~30 dB at 100 Hz, peaks at ~42 dB at 2K Hz, and drops to ~65 dB at 10K Hz.

M

Graph for M matrix showing OSPL90 (dB SPL) and FOG 50 (dB) vs Frequency (Hz). The x-axis is logarithmic from 100 to 10,000 Hz. The left y-axis is FOG 50 (dB) from 10 to 70. The right y-axis is OSPL90 (dB SPL) from 60 to 120. OSPL90 (light gray line) starts at ~55 dB at 100 Hz, peaks at ~68 dB at 2K Hz, and drops to ~75 dB at 10K Hz. FOG 50 (black line) starts at ~40 dB at 100 Hz, peaks at ~48 dB at 2K Hz, and drops to ~75 dB at 10K Hz.

P

Graph for P matrix showing OSPL90 (dB SPL) and FOG 50 (dB) vs Frequency (Hz). The x-axis is logarithmic from 100 to 10,000 Hz. The left y-axis is FOG 50 (dB) from 30 to 90. The right y-axis is OSPL90 (dB SPL) from 70 to 130. OSPL90 (light gray line) starts at ~65 dB at 100 Hz, peaks at ~80 dB at 2K Hz, and drops to ~90 dB at 10K Hz. FOG 50 (black line) starts at ~45 dB at 100 Hz, peaks at ~60 dB at 2K Hz, and drops to ~90 dB at 10K Hz.



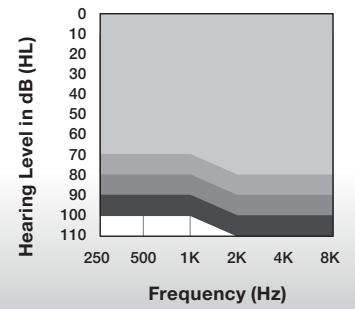
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RIC 312 CUSTOM CASED

Receiver-In-Canal

Fitting Range

- L
- M
- P
- UP



Omega AI+ 24 | 20 | 16

Color Guide

Standard Colors



Patient Features

- IP Rating: 68
- Tinnitus Technology
- Wireless Connectivity
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	L	M	P	UP	Matrices: L, M, P, UP Battery Size: 312
Measurement	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	ANSI/IEC 2cc Coupler	
Peak OSPL90 (dB SPL)	107	117	120	125	
HFA OSPL90 (dB SPL)	101	113	116	122	
Peak Gain (dB)	43	49	60	67	
HFA Full-On Gain (dB)	36	47	56	64	
Frequency Range (Hz)	<100-9400	<100-9400	<100-9400	<100-5800	
HFA Frequencies (kHz)	1.0, 1.6, 2.5	1.0, 1.6, 2.5	1.0, 1.6, 2.5	1.0, 1.6, 2.5	
Reference Test Gain (dB)	24	36	39	45	
Equivalent Input Noise (dB SPL) Expansion On (Default)	15	15	15	15	
Equivalent Input Noise (dB SPL) Expansion Off	24	24	24	24	
Harmonic Distortion					
500 Hz (%)	<3	<3	<3	<3	
800 Hz (%)	<3	<3	<3	<3	
1600 Hz (%)	<3	<3	<3	<3	
Induction Coil Sensitivity					
HFA SPLITS (ANSI) (dB SPL)	N/A	N/A	N/A	N/A	
MASL (IEC) (dB SPL)	N/A	N/A	N/A	N/A	
Estimated Battery Life for 16-Hour Day					
Without streaming (days)	Up to 6	Up to 6	Up to 6	Up to 6	
With streaming (days)	Up to 5	Up to 5	Up to 5	Up to 5	
Battery Current (mA)	1.5	1.6	1.6	1.7	



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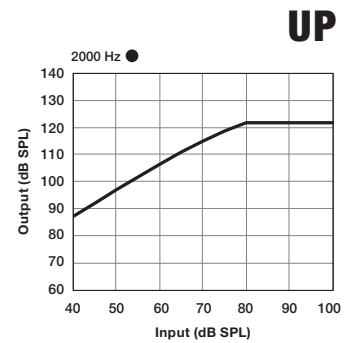
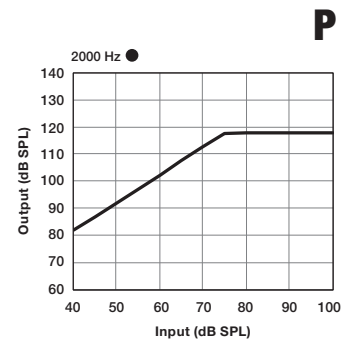
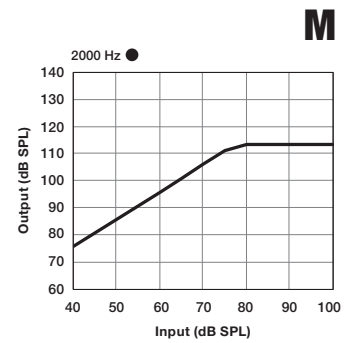
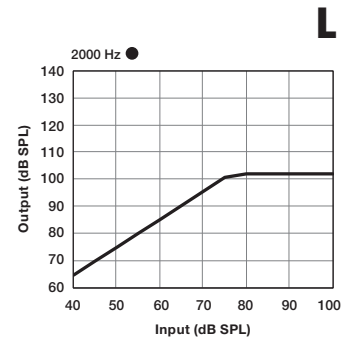
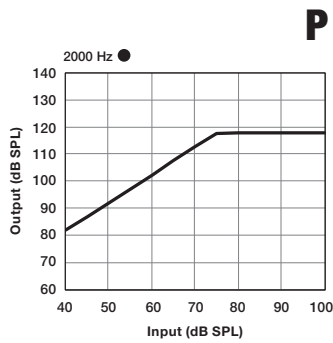
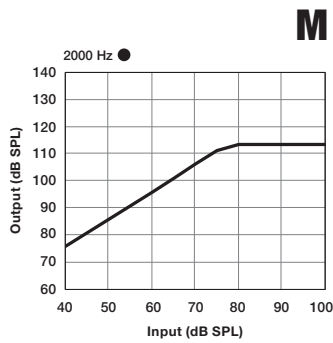
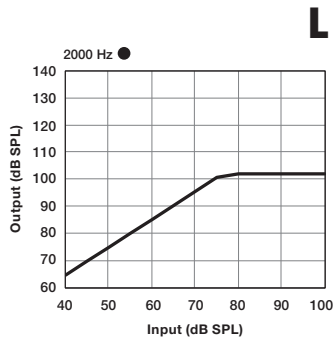


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Latency (ms)	4.3
Attack Time (ms)	3
Release Time (ms)	60