NuEar
POWERED BY Starkey Hearing Technologies

Building on the best

The hearing revolution continues

November 2019

circa AI

NuEar
POWERED BY Starkey. Hearing Technologies

Contact us

Customer Support:
(800) 626-8327

For all Circa® AI product information:
NuEarPro.com/Circa-AI

For additional NuEar® resources:
NuEarPro.com

Table of Contents

The world's first Healthable hearing aid

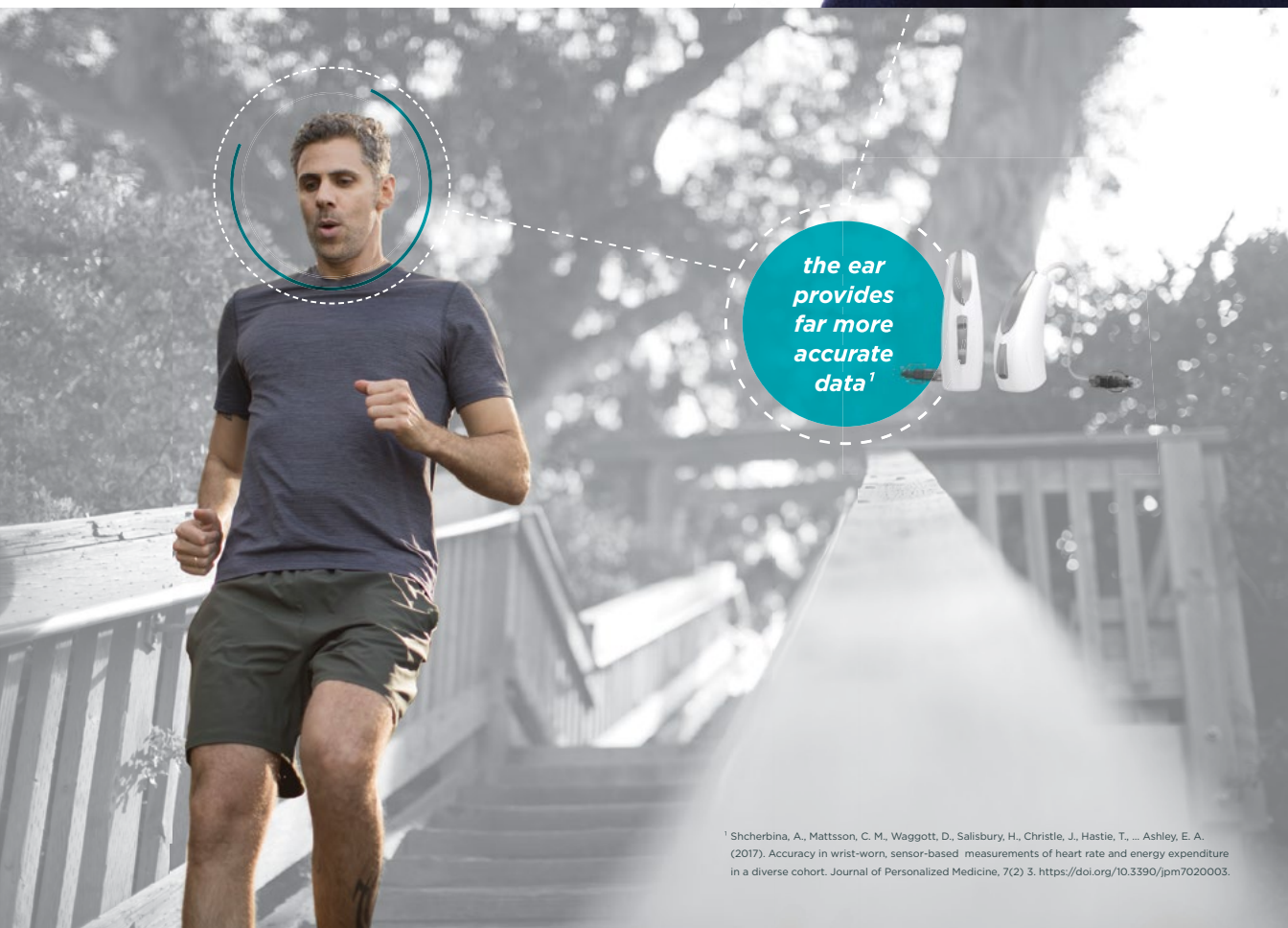
Circa AI, our best sounding hearing aid ever, is a revolutionary, multi-purpose device that provides brain and body activity tracking plus fall detection and alerts.

As the world's first Healthable® hearing aid, Circa AI enables users to take a proactive approach to their hearing and overall wellness.

Thrive Platform
2.4 GHz + NFMI TECHNOLOGY

The ear is the **best place** for accurate **fitness tracking**

Most fitness tracking devices use the wrist, but the ear provides far more accurate data[1]—in fact, it's the sweet spot for reliable tracking. Circa AI is the first-ever Healthable device to provide users with that advantage.



[1] Shcherbina, A., Mattsson, C. M., Waggott, D., Salisbury, H., Christle, J., Hastie, T., ... Ashley, E. A. (2017). Accuracy in wrist-worn, sensor-based measurements of heart rate and energy expenditure in a diverse cohort. Journal of Personalized Medicine, 7(2) 3. https://doi.org/10.3390/jpm7020003.

Advanced technology for **superior** sound quality

There's a lot of exciting, advanced technology at work behind the scenes to make sure people wearing our latest hearing aids hear conversations clearly and effortlessly in all environments.

Our Thrive® platform is built on this innovative technology that is designed to improve speech clarity and streaming performance so users can fully enjoy their music or favorite TV shows like never before.

Hearing Reality

In any environment, there are many sound sources and their importance, level, annoyance, and spatial location can vary by moment.

With three times more digital signal processing (DSP), the industry's first multi-core twin compressor and our dual radio system, Circa AI and Circa can handle even the most complex listening situations.

We focus on every step in the process to ensure an exceptional listening experience:

1. Categorizing the world

Not only is the system capable of environment detection for seven varied sound classes (speech, speech in noise, music, machine noise, wind, noise and quiet), it can also detect the level of competing noise in any environment with speech.

2. Eliminating annoyance and enhancing speech

Focusing on enhancing and optimizing speech with Spatial Speech Enhancement, Circa AI and Circa hearing aids sample the environment up to **167 times per second**. They are constantly analyzing level, environment class and presence of speech, while optimizing amplification to provide the best speech audibility and a significant reduction in listening effort.

3. Providing immediate and seamless transitions

Detecting shifts in the environment and reacting quickly is not enough to make the changes imperceptible to the user. Hearing Reality™ seamlessly adapts to environmental changes within each channel, so the user is not distracted by large variations in amplification.

4. Personalizing for every preference

Our Inspire® X fitting software allows for quick adjustments to noise management and user experience settings like microphone offset during streaming.

Why **artificial intelligence (AI)** in a hearing aid?

Artificial intelligence makes it possible for hearing aids to do things that would normally require human intelligence. For example, AI gives Circa AI hearing aids the power to do much more than help people hear better. Things like tracking health activities, detecting a fall and translating languages can all be done easily using the artificial intelligence in our hearing aids.

Circa AI detects movement, tracks activities and recognizes gestures

Circa AI Ecosystem

Artificial intelligence is the heart of our larger ecosystem that is unlike any other system on the market. Many features and technologies work seamlessly together to help patients proactively manage their wellness, enhance their listening experience and track important health data.

Hearing Performance

Our Hearing Reality technology provides superior sound quality and comfortable listening in every environment making Circa AI and Circa our best sounding hearing aids.

Healthable Technology

The ear is the best place to accurately track health and fitness data and Circa AI is the first hearing device that takes advantage of that. Circa AI is also the first-ever hearing aid designed to detect when a user has fallen and send alert messages to their pre-selected contacts.

Intelligent Assistant

Circa AI and our Thrive® Hearing Control app simplify patients' lives by translating languages, providing quick answers to user's questions, locating misplaced hearing aids and more.

Do more with the Thrive App

The Thrive Hearing Control app gives the user full control over their hearing aids using their smartphone. Like a TV remote, it lets people adjust volume, switch memories and manage other features that hearing aids couldn't do until now, like language translation, health activity tracking and more.

Our Newest Features:

Streaming Support on Android*

In addition to streaming with Apple® devices, users can now stream phone calls, music and more directly from Android™ devices to their hearing aids.

Auto On/Off

Automatically and conveniently saves battery power when the patient's hearing aids are not in use.

Reminders

Provides the option to schedule alerts for things like taking medications and other personal tasks.

*Compatible with certain Android devices.

Feature Overview

circa AI & circa

As the first-ever hearing aid to feature integrated sensors and artificial intelligence, **Circa AI** is a multi-purpose device that redefines what a hearing aid can do. Along with superior sound quality, Circa AI opens new gateways to better health and the world of information.

Circa hearing aids are a great option for patients who aren't looking for health information but still want superior sound quality, personalized control, Self Check, Reminders and memory management.

Feature	AI Premium 2400 Healthable Technology	Premium 2400	Advanced 2000	Select 1600	Low 1200	Basic 1000
Platform:	Thrive	Thrive	Thrive	Thrive	Thrive	Thrive
Healthable Technology:						
Brain and Body Tracking	●					
Fall Alert	●					
Intelligent Assistant:						
Thrive Assistant	●	●				
Translate	●					
Transcribe	●					
Self Check	●	●	●	●	●	●
Auto On/Off	●					
Reminders	●	●	●	●		
Tap Control	●					
Compatible App:	Thrive Hearing Control	Thrive Hearing Control	Thrive Hearing Control	Thrive Hearing Control	Thrive Hearing Control	Thrive Hearing Control
Telehealth Service:						
Hearing Care Anywhere®	●	●	●	●	●	●

HEARING REALITY

Feature	AI Premium 2400 Healthable Technology	Premium 2400	Advanced 2000	Select 1600	Low 1200	Basic 1000
Sound Imaging: Channels | Bands	24	24	20	16	12	12
Speech Optimization	●	●	●	●	●	●
Music Optimization:						
Music Adaptation	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
E2E Music Adaptation	●	●	◗	◣	▸	▸
Ear-to-Ear Technology:						
E2E Wind Noise Management	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
E2E Machine Noise Adaptation	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
E2E Directionality	●	●	●	●		
E2E Phone Streaming*	●	●	●	●		
Sound Manager:						
Auto Music	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Quiet	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Spatial Speech Enhancement	●	●	●	●		
Machine Noise	Up to 20 dB of reduction	Up to 20 dB of reduction	Up to 10 dB of reduction	Up to 10 dB of reduction	Up to 10 dB of reduction	Up to 10 dB of reduction
Speech in Noise	Up to 20 dB of reduction	Up to 20 dB of reduction	Up to 8 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction
Transient Noise Reduction	Up to 15 dB of reduction	Up to 15 dB of reduction	Up to 9 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction
Wind	Up to 30 dB of reduction	Up to 30 dB of reduction	Up to 15 dB of reduction	Up to 7 dB of reduction	Up to 7 dB of reduction	Up to 7 dB of reduction

HEARING REALITY

Feature	AI Premium 2400 Healthable Technology	Premium 2400	Advanced 2000	Select 1600	Low 1200	Basic 1000
Directional Processing:						
Immersion	●	●	●	●	●	●
Adaptive	●	●	◕	◗	◗	◗
Dynamic	●	●	◕	◗	◗	◗
Directional	●	●	◕	◗	◗	◗
Feedback Management	●	●	●	●	●	●
Frequency Lowering	●	●	●	●	◕	◕
Tinnitus Technology	●	●	●	●	●	●
CROS System*	●	●	●	●	●	
Telecoil**	●	●	●	●	●	●
2.4 GHz Accessory Compatibility	●	●	●	●	●	●

*Excludes micro RIC 312.
**Select styles only.

Comfort and personalization redefined

Comfort features ensure patients enjoy wearing their hearing aids

Feedback Control	Best-in-class comprehensive feedback management system.
Speech Optimization	Our proprietary multi-segment compression architecture combines speech audibility and overall comfort.
Quiet	Reduces circuit noise over a wider range of input levels, providing a high-fidelity listening experience regardless of the level of background noise.
Wind	Noise reduction algorithm designed to provide supreme comfort for wind noise.
Transient Noise Reduction	Provides the Thrive platform with extremely fast processing capabilities eliminating, or significantly reducing, sharp impulse sounds.
Surface NanoShield	Coated on components, cases and Hear Clear™ wax guards, Surface™ NanoShield gives patients a next-generation moisture and wax repellent that ensures reliability and durability.
CROS Technology*	A solution for single-sided hearing loss that enables streaming between your hearing aids to deliver exceptional sound quality.

*Excludes micro RIC 312.

Personalization features ensure hearing professionals are able to provide the best care for their patients

Speech Indicators for Memory	For each memory programmed, an extensive list of descriptive words is available, allowing hearing professionals to choose the most meaningful indicators for their patient.
Smart VC	Allows for the gain to increase in all the channels not already at maximum, giving a desired and needed increase in loudness.
Frequency Lowering	Enhances real-time audibility by identifying high-frequency speech cues and replicating them in lower frequencies.
Music Enhancement	The dedicated music compressor in Circa AI and Circa hearing aids is designed for a more dynamic input and a broader frequency response. Inspire X software includes music adjustment controls so hearing professionals can quickly and easily match the subjective tastes of their patients.
Tinnitus Technology	Our patent-pending tinnitus solution is designed with personalization and flexibility in mind.

RIC R

RECEIVER-IN-CANAL RECHARGEABLE

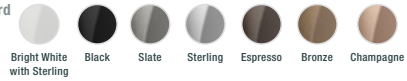
Circa AI **2400**

Matrices: 107/40, 115/50, 120/60

Battery Size: Encased 312

Color Guide

Standard Colors



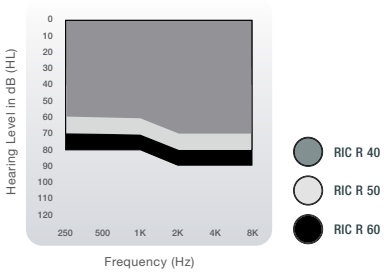
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Lithium-Ion Rechargeable
- Telecoil
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Accessories

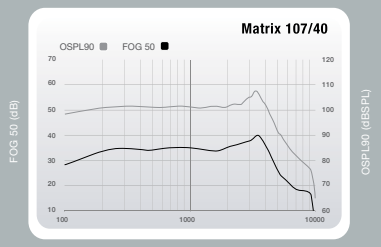
- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Mini Turbo Charger
- Programmer

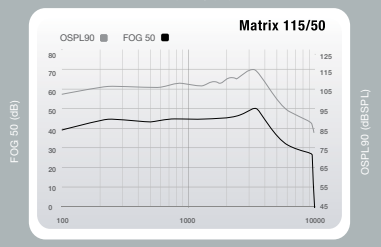
Fitting Range

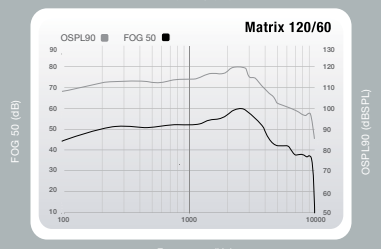


Thrive Technology

- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive app feature options







Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-9400	<100-9600	<100-9600	<100-9200	<100-9600
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
Harmonic Distortion						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Induction Coil Sensitivity						
HFA SPLITS (ANSI) (dB SPL)	83	N/A	89	N/A	97	N/A
MASL (IEC) (dB SPL)	64	N/A	75	N/A	84	N/A
Estimated Battery Life for 16-Hour Day						
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*Results will vary based on wireless usage.

RIC R

RECEIVER-IN-CANAL RECHARGEABLE

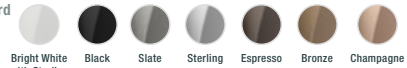
Absolute Power

Circa AI 2400

Matrices: 123/60, 130/70 **Battery Size:** Encased 312

Color Guide

Standard Colors



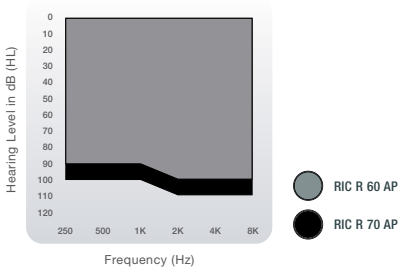
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Lithium-Ion Rechargeable
- Telecoil
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Accessories

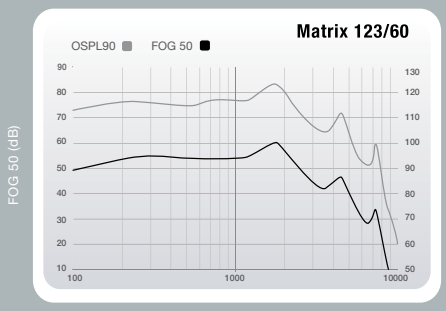
- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Mini Turbo Charger
- Programmer

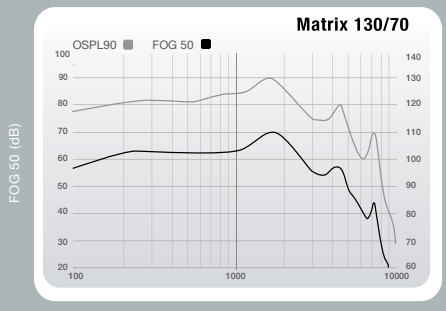
Fitting Range



Thrive Technology

- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive app feature options





Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133	130	140
HFA OSPL90 (dB SPL)	117	N/A	124	N/A
RTF OSPL90 (dB SPL)	N/A	130	N/A	139
Peak Gain (dB)	60	70	70	81
HFA Full-On Gain (dB)	54	N/A	65	N/A
RTF Full-On Gain (dB)	N/A	66	N/A	78
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	97	N/A	103	N/A
MASL (IEC) (dB SPL)	83	N/A	93	N/A
Estimated Lithium-Ion Battery Life				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

RIC 312

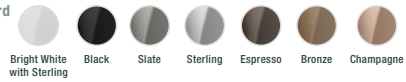
RECEIVER-IN-CANAL

Circa AI **2400**

Matrices: 107/40, 115/50, 120/60 **Battery Size: 312**

Color Guide

Standard Colors

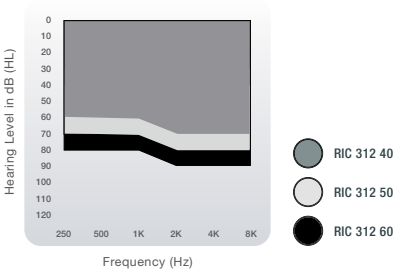


Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Fitting Range

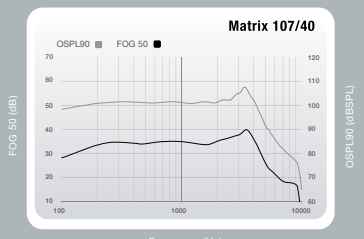


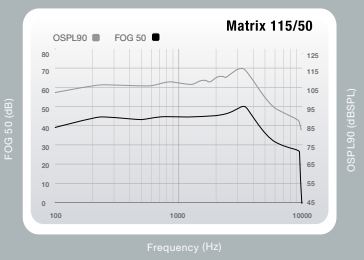
Accessories

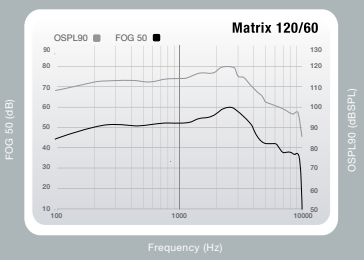
- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive app feature options







	40 Gain Data		50 Gain Data		60 Gain Data	
Measurement	**ANSI/IEC 2cc Coupler**	**IEC OES Coupler**	**ANSI/IEC 2cc Coupler**	**IEC OES Coupler**	**ANSI/IEC 2cc Coupler**	**IEC OES Coupler**
Peak OSPL90 (dB SPL)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-9400	<100-9600	<100-9600	<100-9200	<100-9600
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
Harmonic Distortion						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

	40 Gain Data		50 Gain Data		60 Gain Data	
Measurement	**ANSI/IEC 2cc Coupler**	**IEC OES Coupler**	**ANSI/IEC 2cc Coupler**	**IEC OES Coupler**	**ANSI/IEC 2cc Coupler**	**IEC OES Coupler**
ANSI/IEC Battery Current (mA)	1.8*	1.7*	1.9*	1.8*	2.1*	2.0*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*	1.8*	1.9*
Estimated Battery Life for 16-Hour Day						
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*Results will vary based on wireless usage.

RIC 312 AP

RECEIVER-IN-CANAL Absolute Power

Circa AI **2400**

Matrices: 123/60, 130/70 | Battery Size: 312

Color Guide

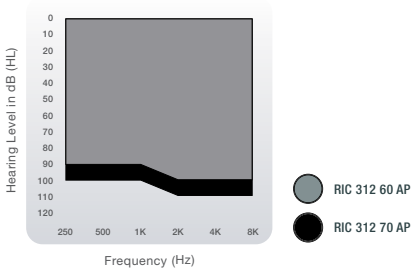
Standard Colors

Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Fitting Range

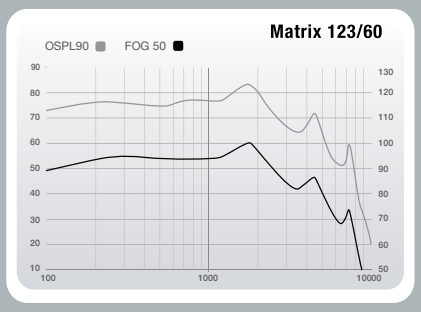


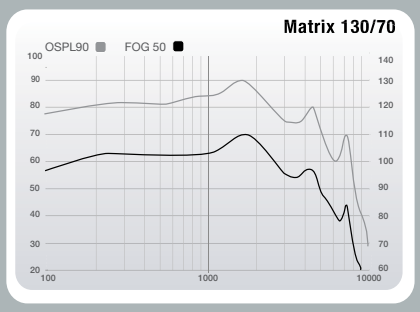
Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive app feature options





Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133	130	140
HFA OSPL90 (dB SPL)	117	N/A	124	N/A
RTF OSPL90 (dB SPL)	N/A	130	N/A	139
Peak Gain (dB)	60	70	70	81
HFA Full-On Gain (dB)	54	N/A	65	N/A
RTF Full-On Gain (dB)	N/A	66	N/A	78
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7*	1.7*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
Estimated Lithium-Ion Battery Life				
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

mRIC 312

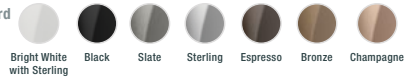
RECEIVER-IN-CANAL

Circa AI **2400**

Matrices: 107/40, 115/50, 120/60 **Battery Size: 312**

Color Guide

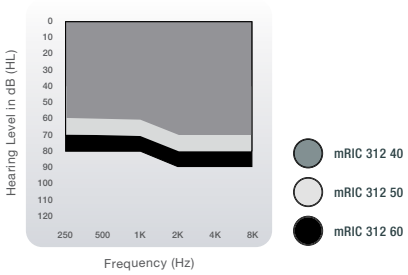
Standard Colors



Patient Features

- Tinnitus Technology
- Wireless Connectivity

Fitting Range

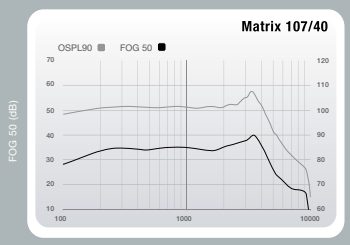


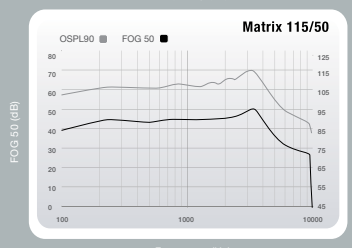
Accessories

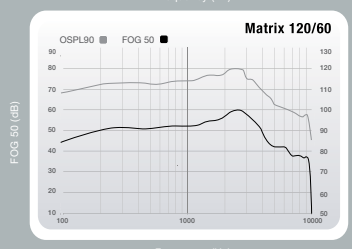
- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive app feature options







Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-9400	<100-9600	<100-9600	<100-9200	<100-9600
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
Harmonic Distortion						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.8*	1.7*	1.9*	1.8*	2.1*	2.0*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*	1.8*	1.9*
Estimated Battery Life for 16-Hour Day						
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*Results will vary based on wireless usage.

mRIC 312 AP

RECEIVER-IN-CANAL Absolute Power

Circa AI **2400**

Matrices: 123/60, 130/70 | Battery Size: 312

Color Guide

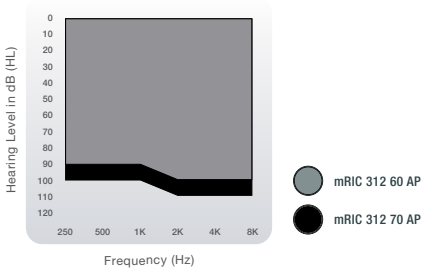
Standard Colors

Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

Patient Features

- Tinnitus Technology
- Wireless Connectivity

Fitting Range

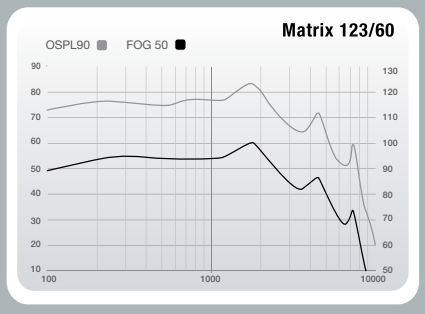


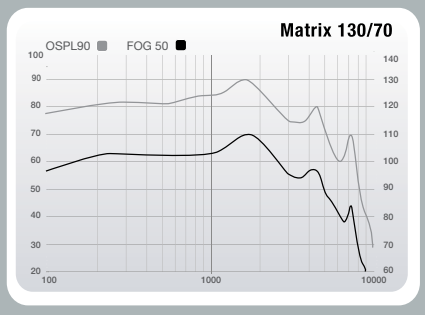
Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive app feature options





Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133	130	140
HFA OSPL90 (dB SPL)	117	N/A	124	N/A
RTF OSPL90 (dB SPL)	N/A	130	N/A	139
Peak Gain (dB)	60	70	70	81
HFA Full-On Gain (dB)	54	N/A	65	N/A
RTF Full-On Gain (dB)	N/A	66	N/A	78
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7*	1.7*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
Estimated Lithium-Ion Battery Life				
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

BTE 13

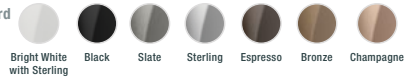
BEHIND-THE-EAR

Circa AI **2400**

Matrix: 130/70 | Battery Size: 13

Color Guide

Standard Colors

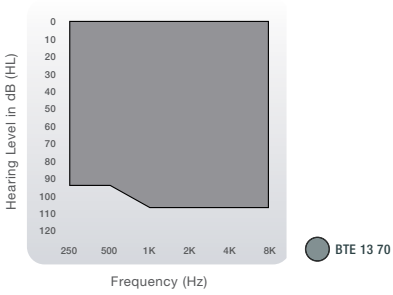


Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Telecoil
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Fitting Range

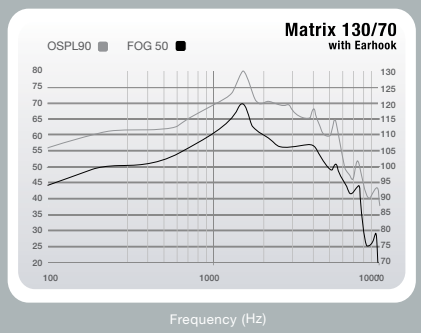


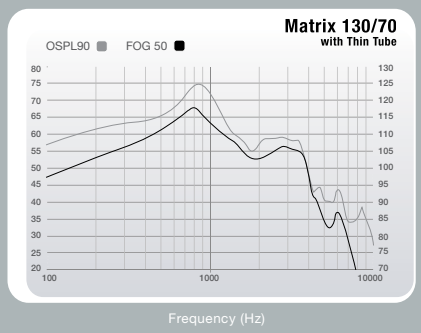
Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Embedded Sensors
- Natural User Interface Tap Control
- Additional Thrive app feature options





Measurement	Earhook ANSI/IEC 2cc Coupler	Earhook IEC OES Coupler	Thin Tube (Size 3, Occluded) ANSI/IEC 2cc Coupler	Thin Tube (Size 3, Occluded) IEC OES Coupler
Peak OSPL90 (dB SPL)	130	136	124	129
HFA OSPL90 (dB SPL)	122	N/A	112	N/A
RTF OSPL90 (dB SPL)	N/A	134	N/A	114
Peak Gain (dB)	70	76	68	73
HFA Full-On Gain (dB)	62	N/A	57	N/A
RTF Full-On Gain (dB)	N/A	73	N/A	61
Frequency Range (Hz)	<100-7600	<100-7800	<100-4600	<100-6800
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	45	59	35	39
Equivalent Input Noise (dB)	24	18	29	29
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<5	<5	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	Earhook ANSI/IEC 2cc Coupler	Earhook IEC OES Coupler	Thin Tube (Size 3, Occluded) ANSI/IEC 2cc Coupler	Thin Tube (Size 3, Occluded) IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	101	N/A	91	N/A
MASL (IEC) (dB SPL)	92	N/A	88	N/A
ANSI/IEC Battery Current (mA)	1.9*	1.8*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	7-11*	7-11*	7-11*	7-11*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

RIC R

RECEIVER-IN-CANAL RECHARGEABLE

Circa **2400** | **2000** | **1600**

Matrices: 107/40, 115/50, 120/60

Battery Size: Encased 312

Color Guide

Standard Colors

Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

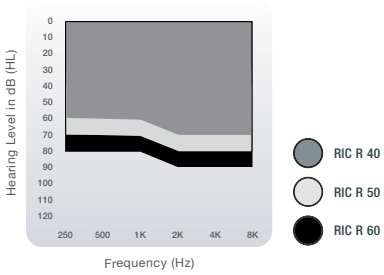
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Lithium-Ion Rechargeable
- Telecoil
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Accessories

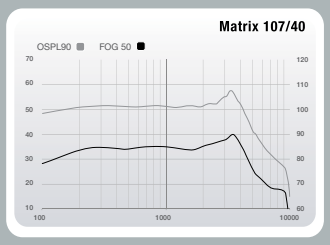
- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Mini Turbo Charger
- Programmer

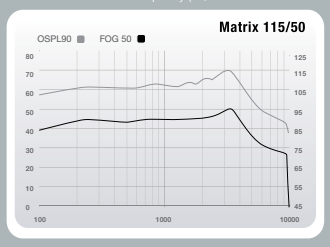
Fitting Range

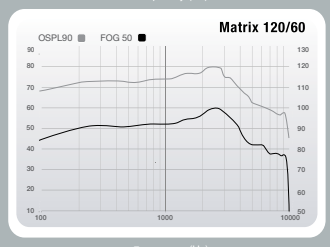


Thrive Technology

- Optional Thrive app for Personalized Control







Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-9400	<100-9600	<100-9600	<100-9200	<100-9600
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
Harmonic Distortion						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Induction Coil Sensitivity						
HFA SPLITS (ANSI) (dB SPL)	83	N/A	89	N/A	97	N/A
MASL (IEC) (dB SPL)	64	N/A	75	N/A	84	N/A
Estimated Battery Life for 16-Hour Day						
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*Results will vary based on wireless usage.

Matrices: 107/40, 115/50, 120/60 | **Battery Size:** Encased 312

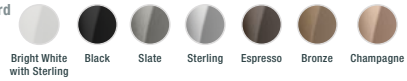
RIC R

RECEIVER-IN-CANAL RECHARGEABLE

Circa **1200** | **1000**

Color Guide

Standard Colors



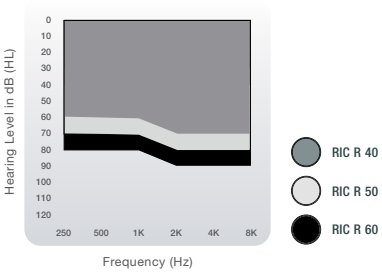
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System**
- Lithium-Ion Rechargeable
- Telecoil
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Accessories

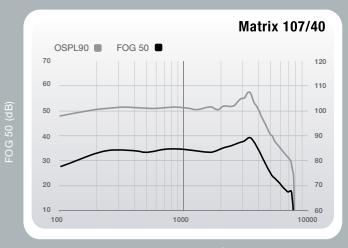
- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Mini Turbo Charger
- Programmer

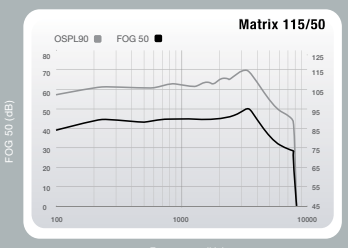
Fitting Range

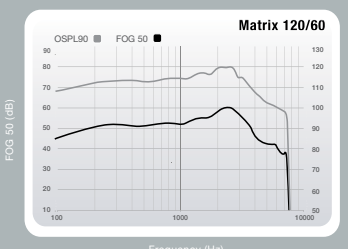


Thrive Technology

- Optional Thrive app for Personalized Control







Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-7700	<100-7700	<100-7700	<100-7800	<100-7700	<100-7800
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
Harmonic Distortion						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Induction Coil Sensitivity						
HFA SPLITS (ANSI) (dB SPL)	83	N/A	89	N/A	97	N/A
MASL (IEC) (dB SPL)	64	N/A	75	N/A	84	N/A
Estimated Battery Life for 16-Hour Day						
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*Results will vary based on wireless usage.
**Only available on 1200 technology tier.

RIC R AP

RECEIVER-IN-CANAL RECHARGEABLE Absolute Power

Circa **2400** | **2000** | **1600**

Matrices: 123/60, 130/70 **Battery Size:** Encased 312

Color Guide

Standard Colors

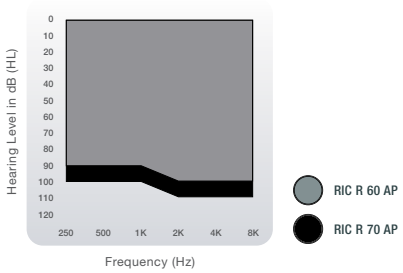
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Lithium-Ion Rechargeable
- Telecoil
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Accessories

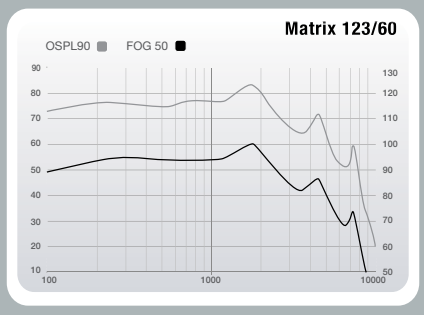
- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Mini Turbo Charger
- Programmer

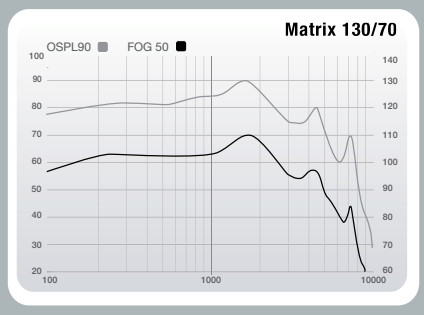
Fitting Range



Thrive Technology

- Optional Thrive app for Personalized Control





Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133	130	140
HFA OSPL90 (dB SPL)	117	N/A	124	N/A
RTF OSPL90 (dB SPL)	N/A	130	N/A	139
Peak Gain (dB)	60	70	70	81
HFA Full-On Gain (dB)	54	N/A	65	N/A
RTF Full-On Gain (dB)	N/A	66	N/A	78
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	97	N/A	103	N/A
MASL (IEC) (dB SPL)	83	N/A	93	N/A
Estimated Lithium-Ion Battery Life				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

RIC R AP

RECEIVER-IN-CANAL RECHARGEABLE Absolute Power

Circa 1200 | 1000

Matrices: 123/60, 130/70 **Battery Size:** Encased 312

Color Guide

Standard Colors

Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

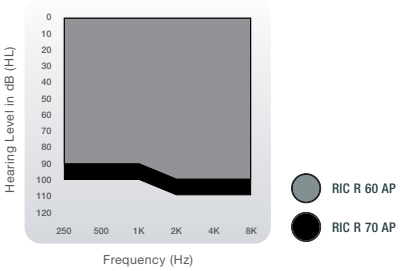
Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System**
- Lithium-Ion Rechargeable
- Telecoil
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Accessories

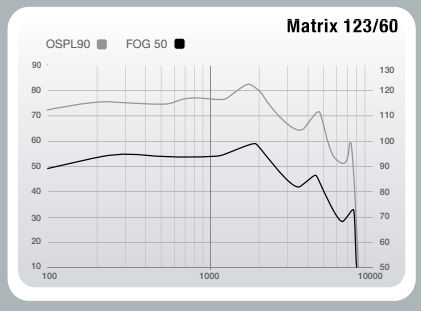
- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Mini Turbo Charger
- Programmer

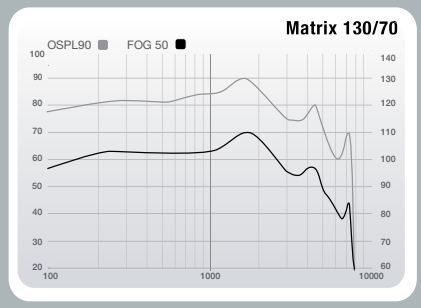
Fitting Range



Thrive Technology

- Optional Thrive app for Personalized Control





Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133	130	140
HFA OSPL90 (dB SPL)	117	N/A	124	N/A
RTF OSPL90 (dB SPL)	N/A	130	N/A	139
Peak Gain (dB)	60	70	70	81
HFA Full-On Gain (dB)	54	N/A	65	N/A
RTF Full-On Gain (dB)	N/A	66	N/A	78
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	97	N/A	103	N/A
MASL (IEC) (dB SPL)	83	N/A	93	N/A
Estimated Lithium-Ion Battery Life				
Li-Ion Rechargeable Battery (hrs)	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*	Up to 24 hours*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.
**Only available on 1200 technology tier.

RIC 312

RECEIVER-IN-CANAL

Circa **2400** | **2000** | **1600**

Matrices: 107/40, 115/50, 120/60 **Battery Size:** 312

Color Guide

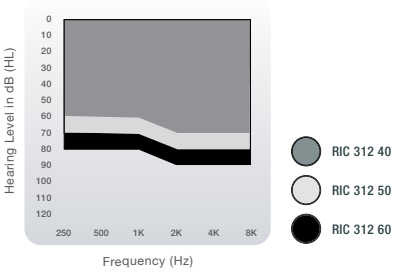
Standard Colors

Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Fitting Range

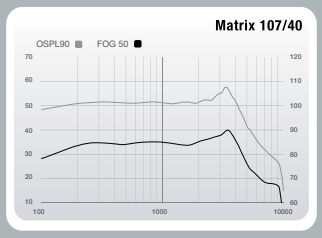


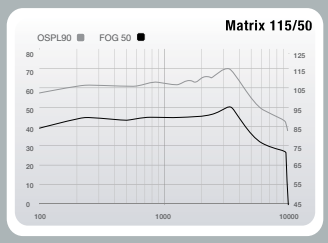
Accessories

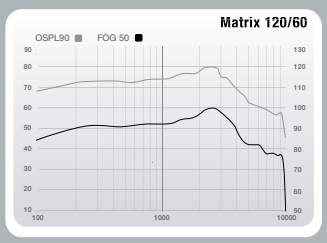
- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Optional Thrive app for Personalized Control







Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-6900	<100-9600	<100-9600	<100-9200	<100-9600
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
Harmonic Distortion						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.8*	1.7*	1.9*	1.8*	2.1*	2.0*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*	1.8*	1.9*
Estimated Battery Life for 16-Hour Day						
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*Results will vary based on wireless usage.

RIC 312

RECEIVER-IN-CANAL

Circa **1200** | **1000**

Matrices: 107/40, 115/50, 120/60 **Battery Size:** 312

Color Guide

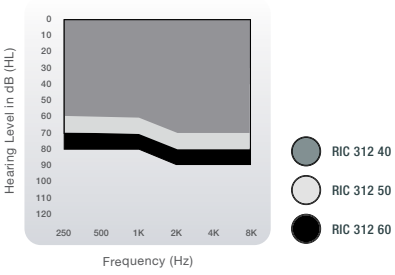
Standard Colors

Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System**
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Fitting Range

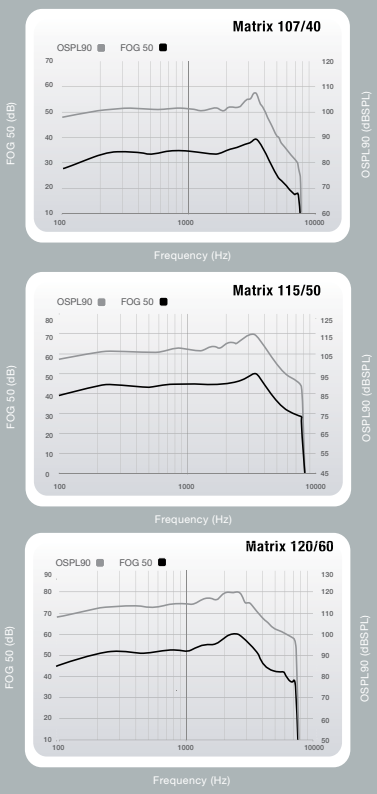


Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Optional Thrive app for Personalized Control



Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-7700	<100-6900	<100-7700	<100-7800	<100-7700	<100-7800
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
Harmonic Distortion						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.8*	1.7*	1.9*	1.8*	2.1*	2.0*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*	1.8*	1.9*
Estimated Battery Life for 16-Hour Day						
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*Results will vary based on wireless usage.
**Only available on 1200 technology tier.

RIC 312 AP

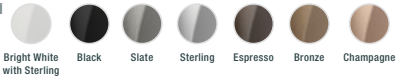
RECEIVER-IN-CANAL Absolute Power

Circa **2400** | **2000** | **1600**

Matrices: 123/60, 130/70 **Battery Size: 312**

Color Guide

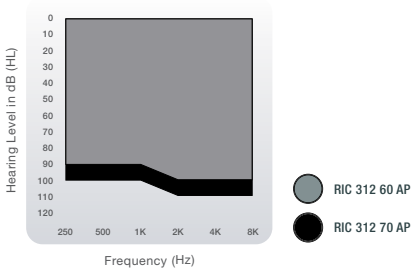
Standard Colors



Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Fitting Range

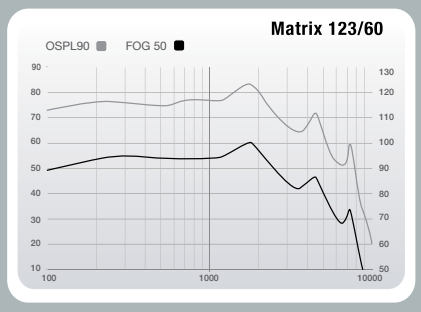


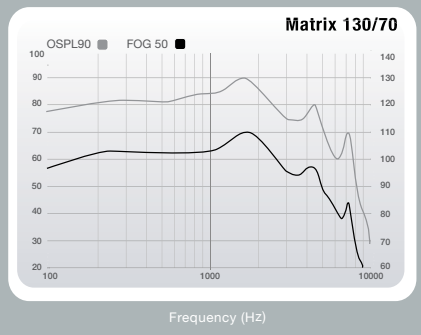
Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Optional Thrive app for Personalized Control





Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133	130	140
HFA OSPL90 (dB SPL)	117	N/A	124	N/A
RTF OSPL90 (dB SPL)	N/A	130	N/A	139
Peak Gain (dB)	60	70	70	81
HFA Full-On Gain (dB)	54	N/A	65	N/A
RTF Full-On Gain (dB)	N/A	66	N/A	78
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7*	1.7*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
Estimated Lithium-Ion Battery Life				
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

RIC 312 AP

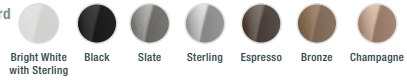
RECEIVER-IN-CANAL Absolute Power

Circa **1200** | **1000**

▶ **Matrices: 123/60, 130/70** ▶ **Battery Size: 312**

Color Guide

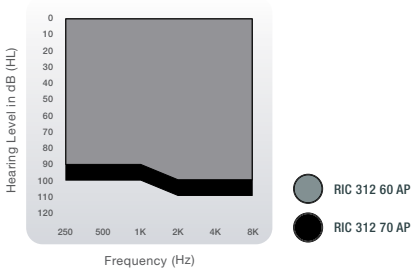
Standard Colors



Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System**
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Fitting Range

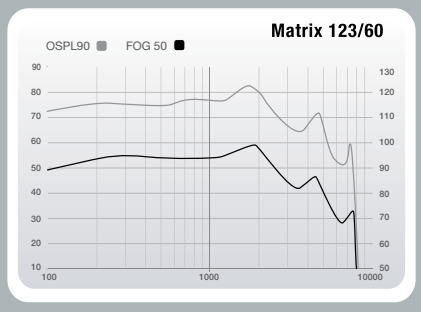


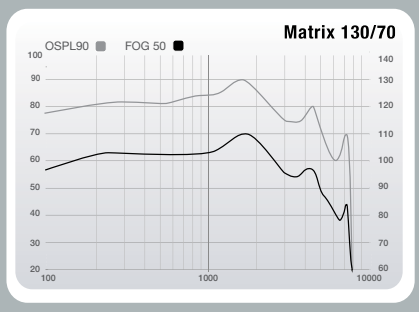
Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Optional Thrive app for Personalized Control





Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133	130	140
HFA OSPL90 (dB SPL)	117	N/A	124	N/A
RTF OSPL90 (dB SPL)	N/A	130	N/A	139
Peak Gain (dB)	60	70	70	81
HFA Full-On Gain (dB)	54	N/A	65	N/A
RTF Full-On Gain (dB)	N/A	66	N/A	78
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7*	1.7*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
Estimated Lithium-Ion Battery Life				
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.
**Only available on 1200 technology tier.

mRIC 312

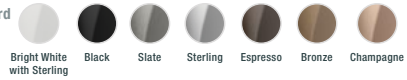
RECEIVER-IN-CANAL

Circa **2400** | **2000** | **1600**

Matrices: 107/40, 115/50, 120/60 **Battery Size:** 312

Color Guide

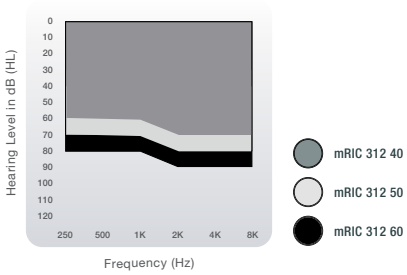
Standard Colors



Patient Features

- Tinnitus Technology
- Wireless Connectivity

Fitting Range

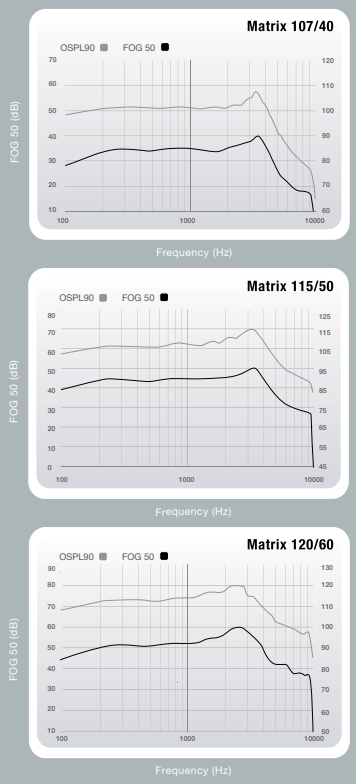


Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Optional Thrive app for Personalized Control



Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-9400	<100-9400	<100-9600	<100-9600	<100-9200	<100-9600
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
Harmonic Distortion						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.8*	1.7*	1.9*	1.8*	2.1*	2.0*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*	1.8*	1.9*
Estimated Battery Life for 16-Hour Day						
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*Results will vary based on wireless usage.

mRIC 312

RECEIVER-IN-CANAL

Circa **1200** | **1000**

Matrices: 107/40, 115/50, 120/60 **Battery Size:** 312

Color Guide

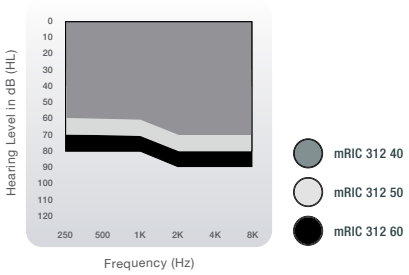
Standard Colors

Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

Patient Features

- Tinnitus Technology
- Wireless Connectivity

Fitting Range

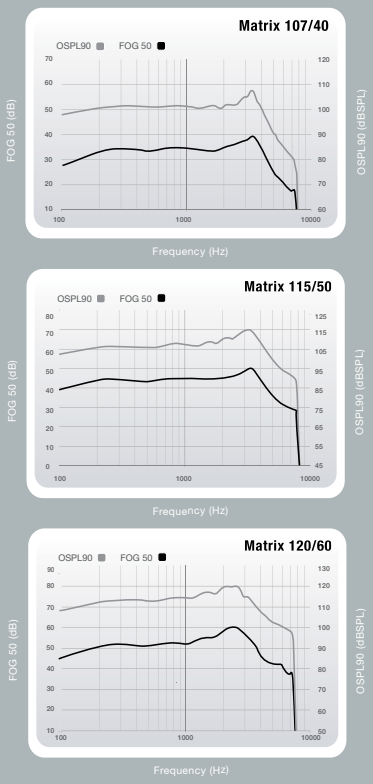


Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Optional Thrive app for Personalized Control



Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	107	120	115	127	120	131
HFA OSPL90 (dB SPL)	102	N/A	109	N/A	117	N/A
RTF OSPL90 (dB SPL)	N/A	112	N/A	119	N/A	127
Peak Gain (dB)	40	52	50	63	60	71
HFA Full-On Gain (dB)	35	N/A	45	N/A	56	N/A
RTF Full-On Gain (dB)	N/A	43	N/A	55	N/A	65
Frequency Range (Hz)	<100-7700	<100-7700	<100-7700	<100-7800	<100-7700	<100-7800
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	25	36	32	44	40	52
Equivalent Input Noise (dB)	26	26	26	26	26	26
Harmonic Distortion						
500 Hz (%)	<3	<3	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3	<3	<3

Measurement	40 Gain Data ANSI/IEC 2cc Coupler	40 Gain Data IEC OES Coupler	50 Gain Data ANSI/IEC 2cc Coupler	50 Gain Data IEC OES Coupler	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.8*	1.7*	1.9*	1.8*	2.1*	2.0*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*	1.8*	1.9*
Estimated Battery Life for 16-Hour Day						
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus						
Max RMS Output (dB SPL)	87		87		87	
Weighted RMS Output Level (dB SPL)	87		87		87	
Max 1/3 Octave Output (dB SPL)	87		87		87	

*Results will vary based on wireless usage.

mRIC 312 AP

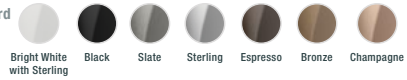
RECEIVER-IN-CANAL Absolute Power

Circa **2400** | **2000** | **1600**

▶ **Matrices: 123/60, 130/70** ▶ **Battery Size: 312**

Color Guide

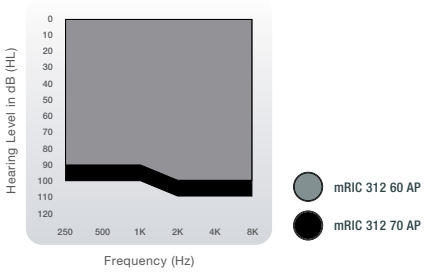
Standard Colors



Patient Features

- Tinnitus Technology
- Wireless Connectivity

Fitting Range

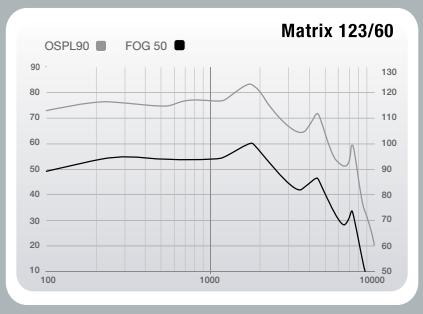


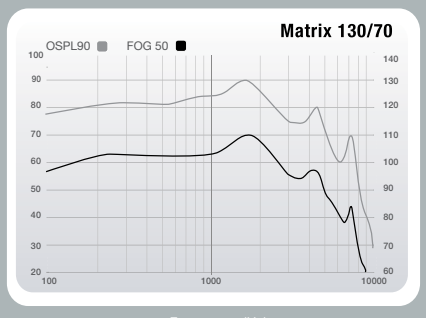
Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Optional Thrive app for Personalized Control





Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133	130	140
HFA OSPL90 (dB SPL)	117	N/A	124	N/A
RTF OSPL90 (dB SPL)	N/A	130	N/A	139
Peak Gain (dB)	60	70	70	81
HFA Full-On Gain (dB)	54	N/A	65	N/A
RTF Full-On Gain (dB)	N/A	66	N/A	78
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7*	1.7*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
Estimated Lithium-Ion Battery Life				
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

mRIC 312 AP

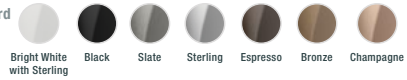
RECEIVER-IN-CANAL Absolute Power

Circa **1200** | **1000**

▶ **Matrices:** 123/60, 130/70 ▶ **Battery Size:** 312

Color Guide

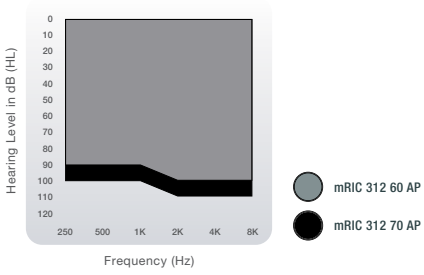
Standard Colors



Patient Features

- Tinnitus Technology
- Wireless Connectivity

Fitting Range

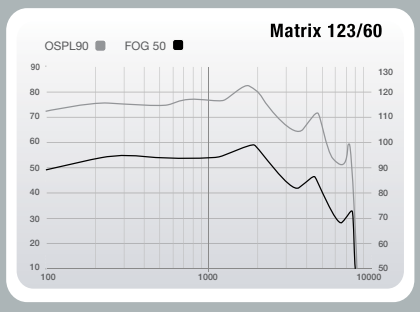


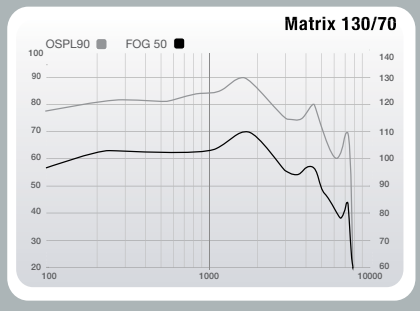
Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Optional Thrive app for Personalized Control





Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
Peak OSPL90 (dB SPL)	123	133	130	140
HFA OSPL90 (dB SPL)	117	N/A	124	N/A
RTF OSPL90 (dB SPL)	N/A	130	N/A	139
Peak Gain (dB)	60	70	70	81
HFA Full-On Gain (dB)	54	N/A	65	N/A
RTF Full-On Gain (dB)	N/A	66	N/A	78
Frequency Range (Hz)	<100-5500	<100-5700	<100-5800	<100-5700
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	40	55	47	64
Equivalent Input Noise (dB)	26	26	26	26
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	60 Gain Data ANSI/IEC 2cc Coupler	60 Gain Data IEC OES Coupler	70 Gain Data ANSI/IEC 2cc Coupler	70 Gain Data IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.7*	1.7*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
Estimated Lithium-Ion Battery Life				
312 Zinc Air (days)	4-7*	4-7*	4-7*	4-7*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

BTE 13

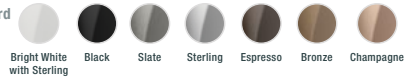
BEHIND-THE-EAR

Circa **2400** | **2000** | **1600**

Matrix: 130/70 **Battery Size:** 13

Color Guide

Standard Colors

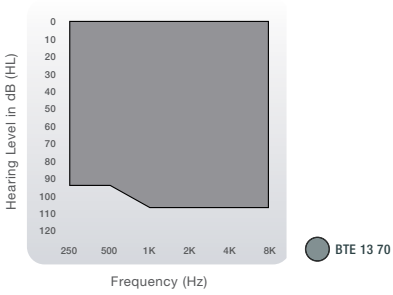


Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System
- Telecoil
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Fitting Range

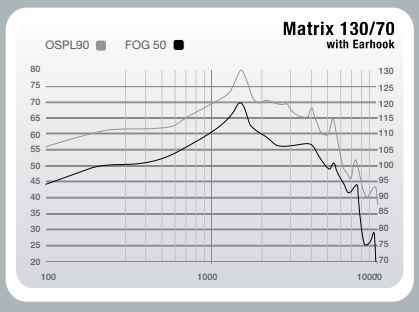


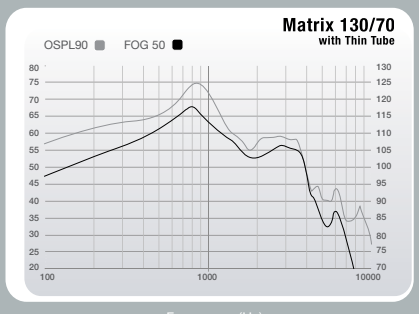
Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Optional Thrive app for Personalized Control





Measurement	Earhook ANSI/IEC 2cc Coupler	Earhook IEC OES Coupler	Thin Tube (Size 3, Occluded) ANSI/IEC 2cc Coupler	Thin Tube (Size 3, Occluded) IEC OES Coupler
Peak OSPL90 (dB SPL)	130	136	124	129
HFA OSPL90 (dB SPL)	122	N/A	112	N/A
RTF OSPL90 (dB SPL)	N/A	134	N/A	114
Peak Gain (dB)	70	76	68	73
HFA Full-On Gain (dB)	62	N/A	57	N/A
RTF Full-On Gain (dB)	N/A	73	N/A	61
Frequency Range (Hz)	<100-7600	<100-7800	<100-4600	<100-6800
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	45	59	35	39
Equivalent Input Noise (dB)	24	18	29	29
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<5	<5	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	Earhook ANSI/IEC 2cc Coupler	Earhook IEC OES Coupler	Thin Tube (Size 3, Occluded) ANSI/IEC 2cc Coupler	Thin Tube (Size 3, Occluded) IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	101	N/A	91	N/A
MASL (IEC) (dB SPL)	92	N/A	88	N/A
ANSI/IEC Battery Current (mA)	1.9*	1.8*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	7-11*	7-11*	7-11*	7-11*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

BTE 13

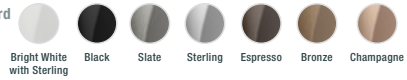
BEHIND-THE-EAR

Circa **1200** | **1000**

Matrix: 130/70 **Battery Size:** 13

Color Guide

Standard Colors

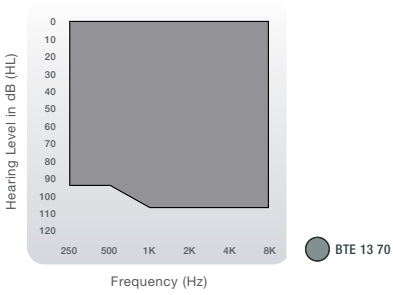


Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

Patient Features

- Tinnitus Technology
- Wireless Connectivity
- CROS System**
- Telecoil
- Dual Radio (2.4 GHz + NFMI) Ear-to-Ear Streaming

Fitting Range

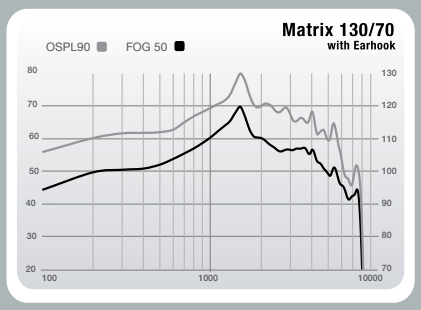


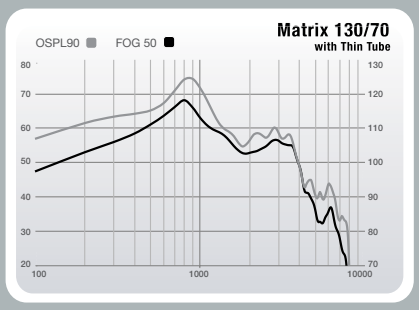
Accessories

- TV
- Remote Microphone +
- Remote
- Mini Remote Microphone
- Programmer

Thrive Technology

- Optional Thrive app for Personalized Control





Measurement	Earhook ANSI/IEC 2cc Coupler	Earhook IEC OES Coupler	Thin Tube (Size 3, Occluded) ANSI/IEC 2cc Coupler	Thin Tube (Size 3, Occluded) IEC OES Coupler
Peak OSPL90 (dB SPL)	130	136	124	129
HFA OSPL90 (dB SPL)	122	N/A	112	N/A
RTF OSPL90 (dB SPL)	N/A	134	N/A	114
Peak Gain (dB)	70	76	68	73
HFA Full-On Gain (dB)	62	N/A	57	N/A
RTF Full-On Gain (dB)	N/A	73	N/A	61
Frequency Range (Hz)	<100-7600	<100-7600	<100-4600	<100-6800
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	45	59	35	39
Equivalent Input Noise (dB)	24	18	29	29
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<5	<5	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	Earhook ANSI/IEC 2cc Coupler	Earhook IEC OES Coupler	Thin Tube (Size 3, Occluded) ANSI/IEC 2cc Coupler	Thin Tube (Size 3, Occluded) IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	101	N/A	91	N/A
MASL (IEC) (dB SPL)	92	N/A	88	N/A
ANSI/IEC Battery Current (mA)	1.9*	1.8*	1.9*	1.8*
Idle Current (mA)	1.7*	1.7*	1.7*	1.7*
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	7-11*	7-11*	7-11*	7-11*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.
**Only available on 1200 technology tier.

CROS System

RIC R, RIC 312 & BTE 13

Circa AI **2400**
Circa **2400 | 2000 | 1600 | 1200**

The NuEar CROS System includes products specifically designed for patients who need sound routed to a better hearing ear. NuEar's CROS solution transmits sound wirelessly from a microphone placed on a patient's unaidable ear to a receiver fitted on a patient's better hearing ear. Devices can also be configured as a BiCROS solution for patients who need amplification in their better hearing ear.

Special Features

- Clear and consistent wireless streaming using 2.4 GHz + NFMI technology
- Acuity® OS 2 brings audibility and speech understanding to patients in any environment
- Full Acuity Immersion Directionality on the CROS transmitter
- Telecoil standard in Circa AI and Circa CROS receivers
- Compatible with 2.4 GHz Starkey Hearing Technologies® accessories

Compatibility

Circa AI/Circa RIC R CROS is compatible with Circa AI/Circa RIC R
Circa AI/Circa RIC 312 CROS is compatible with Circa AI/Circa RIC 312
Circa AI/Circa BTE 13 CROS is compatible with Circa AI/Circa BTE 13

Battery Information

Model	Battery size	IEC code	ANSI code
Circa AI/Circa RIC R CROS	N/A	N/A	N/A
Circa AI/Circa RIC 312 CROS	312	PR41	7002ZD
Circa AI/Circa BTE 13 CROS	13	PR48	7002ZD

Radio Information

Antenna type:	Coil wrapped on ferrite core
Operation frequency:	10.281 MHz NFMI
Occupied bandwidth (99% BW):	400 kHz
Modulation:	8 DPSK
Operating range:	30 cm
Wearing options:	Receiver-In-Canal and Behind-The-Ear
Use case:	Streaming of audio signal to receiving hearing aid on the other ear

Audio Information

Audio Quality:	20 kHz sampling frequency

Standards Applied

USA	Canada
RIC 312 FCC ID: EOA-24CircaR312	RIC 312 IC: 6903A-24CircaR312
RIC R FCC ID: EOA-24CircaRCHG	RIC R IC: 6903A-24CircaRCHG
BTE 13 FCC ID: EOA-24CircaB13	BTE 13 IC: 6903A-24CircaB13

General Information

Transportation and storage conditions for Zinc Air Products:

-40°C (-40°F) to +60°C (140°F) and 10%-95% rH. Your hearing aids are designed to operate beyond the range of temperatures comfortable to you, from very cold up to 50°C (122°F).

Transportation and storage conditions for the RIC R:

Your hearing aids and charger should be stored within the temperature and humidity ranges of -10°C (14°F) to +45°C (113°F) and 10%-95% rH. The charging temperature range is between 0°C (32°F) and 40°C (104°F). Your hearing aids are designed to operate beyond the range of temperatures comfortable to you, from very cold up to 40°C (104°F). At the maximum operating temperature of 40°C (104°F), the hearing aid case temperature may reach 42°C (108°F).

Safety Standards:

Meets IEC 60601-2-66 safety standard and IEC 60601-1-2 EMC standard.

Accessories provide universal Bluetooth® connectivity

With our line of sleek wireless accessories, our hearing aids will work easily with the user's smartphone, TV or media device (like Amazon Echo) to stream phone calls, music and more.

Starkey Hearing Technologies **Accessories**

TV

Allows users to stream audio from their TV or other electronic audio source directly to Circa AI and Circa hearing aids. It offers excellent sound quality, is easy to use and supports both analog and digital input sources.

Remote Microphone +

Easily stream binaurally from four different audio sources: Bluetooth, Telecoil, FM or Line-In. And thanks to Remote Microphone +, Circa AI and Circa hearing aids are the first to feature Amazon Alexa connectivity.

Mini Remote Microphone

Your patients with older mobile devices can enjoy one-on-one conversations in noisy environments with our small, easy-to-use Mini Remote Microphone by clipping it to the clothing of the person being spoken to. It can also be used as a TV streamer by placing it near the sound source.

Remote

Also ideal for patients using older mobile devices, our remote includes updated features so they can control memory and volume, mute Circa AI or Circa hearing aids and turn other special features on and off.

Charger

Holds enough power to provide portable charging three times. LED indicators let patients know when their hearing aids are fully charged, and hearing aids turn on automatically when removed from the charger.

Mini Turbo Charger

A pocket-sized lithium-ion solution that provides a 3.5-hour charge in just seven minutes. A fully charged Mini Turbo Charger can completely charge a pair of hearing aids four times.

Synergy:
A life-changing platform

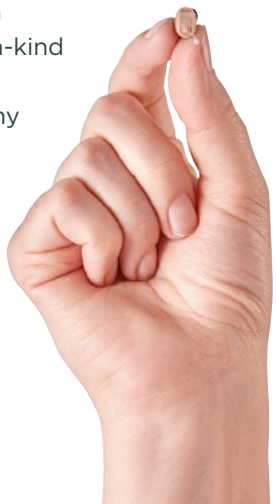
Challenging listening environments are often barriers to better hearing, but they are made easier with 900sync technology. Our Synergy® platform gives your patients immersive experiences, enhanced sound quality and reliable technology.

- **Phone:** Direct audio streaming makes phone conversations easier.
- **Television:** Lets users stream favorite TV shows easily and understand them clearly.
- **Noise:** Helps patients better understand conversations in noisy environments like restaurants.

Synergy Platform
900 MHz TECHNOLOGY

The art and science of **custom** hearing aids

Hearing aid customization means creating a one-of-a-kind hearing aid that fits each patient's exact ear anatomy for optimal comfort and performance. No two ears are alike, and that's why we were the first to offer customization and are still the leaders in custom solutions today.



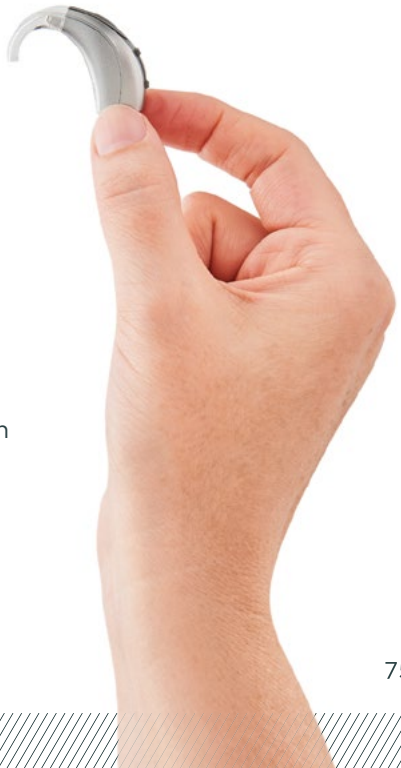
Canvas™ offers an immersive and impressive listening experience featuring NuEar's superior sound enhancement system.

canvas™
custom hearing solutions

The technology to **fit more** patients

NOW® iQ

Our proven Synergy platform with Acuity OS 2 makes it easy for you to help patients who have severe-to-profound hearing loss with the 80-gain **NOW® iQ Power Plus BTE 13**.



Feature Overview

canvas™
NOW iQ

NUEAR NOW iQ POWER PLUS BTE 13

CANVAS

Feature	Premium i2400	Advanced i2000	Select i1600	Low i1200	Basic i1000
Platform:	Synergy	Synergy	Synergy	Synergy	Synergy
Sound Imaging: Channels | Bands	24	20	16	12	10
Acuity Speech Optimization:	●	◗	◔		
Music Optimization:					
Music Adaptation	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
E2E Music Adaptation	●	◗	◔		

ITE and ITC/HS available in i2400, i2000 and i1600 technology tiers only.
CIC available in i2400/2400, i2000/2000 and i1600/1600 technology tiers only.
IIC available in i2400 technology tier only.

NOW iQ POWER PLUS BTE 13

CANVAS

Feature	Premium i2400	Advanced i2000	Select i1600	Low i1200	Basic i1000
Ear-to-Ear Technology: **Acuity Binaural Imaging**					
E2E Wind Noise Management	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
E2E Machine Noise Adaptation	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
E2E Directionality	●	●	●		
*E2E Phone Streaming**	●	●	●		
Environment Manager: **Acuity Lifescape Analyzer**					
Auto Music	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Quiet	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Machine Noise	Up to 20 dB of reduction	Up to 10 dB of reduction	Up to 10 dB of reduction	Up to 10 dB of reduction	Up to 10 dB of reduction
Speech in Noise	Up to 20 dB of reduction	Up to 8 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction	Up to 6 dB of reduction
Wind	Up to 30 dB of reduction	Up to 15 dB of reduction	Up to 7 dB of reduction	Up to 7 dB of reduction	Up to 7 dB of reduction

NOW iQ POWER PLUS BTE 13

CANVAS

Feature	Premium i2400	Advanced i2000	Select i1600	Low i1200	Basic i1000
Directional Processing:					
Omni	●	●	●	●	●
Adaptive	●	●	●	●	
Dynamic	●	●	●	●	●
Directional	●	●	●	●	●
Feedback Management	●	●	●	●	●
Frequency Lowering	●	●	●	●	●
Tinnitus Technology	●	●	●	●	●
CROS System*	●	●	●	●	●
Telecoil	●	●	●	●	●
SurfLink Accessory Compatibility	●	●	●	●	●

*NOW iQ Power Plus BTE 13 only.

ITE and ITC/HS available in i2400, i2000 and i1600 technology tiers only.
CIC available in i2400/2400, i2000/2000 and i1600/1600 technology tiers only.
IIC available in i2400 technology tier only.

ITE
IN-THE-EAR

Canvas **i2400** | **i2000** | **i1600**

Matrices: 115/50, 120/60, 130/70 **Battery Size:** 13

Color Guide

Faceplate Colors

Shell Colors

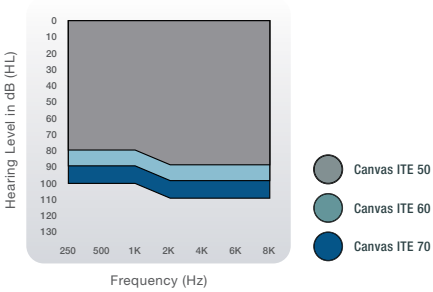
Patient Features

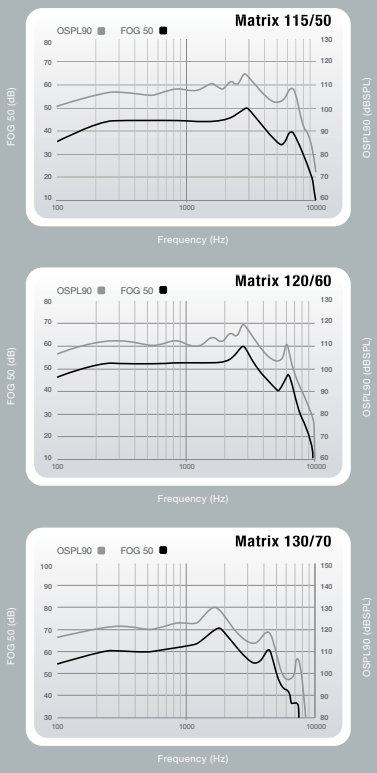
- Tinnitus Technology
- Wireless Connectivity
- Telecoil Option

Accessories

- SurfLink® Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

Fitting Range





ITE Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	115-130	124-137
HFA OSPL90 (dB SPL)	109-123	N/A
RTF OSPL90 (dB SPL)	N/A	110-130
Peak Gain (dB)	50-70	60-77
HFA Full-On Gain (dB)	46-64	N/A
RTF Full-On Gain (dB)	N/A	46-68
Frequency Range (Hz)	<100-8200	<100-8900
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	32-46	35-55
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

ITE Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	95-108	N/A
MASL (IEC) (dB SPL)	N/A	83-106
ANSI/IEC Battery Current (mA)	1.3-1.5*	1.3-1.7*
Idle Current (mA)	1.3*	1.3*
Estimated Battery Life for 16-Hour Day		
13 Zinc Air (days)	13-16*	13-16*
Tinnitus Therapy Stimulus		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

*Results will vary based on wireless usage.

HS
HALF-SHELL

Canvas **i2400** | **i2000** | **i1600**

Matrices: 110/40, 115/50, 120/60, 130/70

Battery Size: 312

Color Guide

Faceplate Colors

Shell Colors

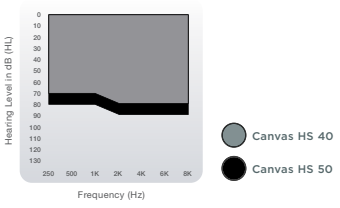
Patient Features

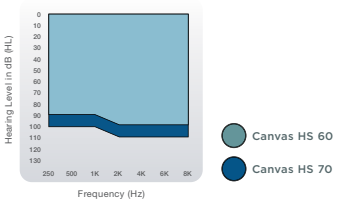
- Tinnitus Technology
- Wireless Connectivity
- Telecoil Option

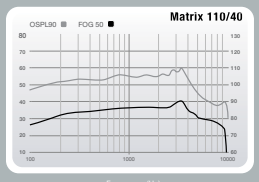
Accessories

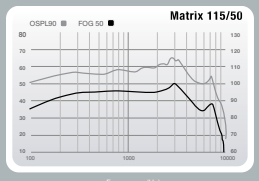
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

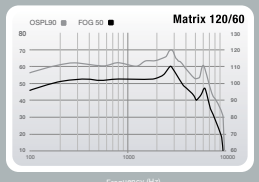
Fitting Range

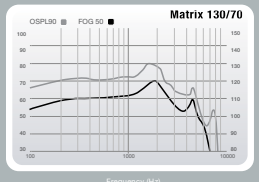












HS Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	122-139
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	106-130
Peak Gain (dB)	40-70	54-79
HFA Full-On Gain (dB)	36-64	N/A
RTF Full-On Gain (dB)	N/A	37-68
Frequency Range (Hz)	<100-9600	<100-9600
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	29-47	30-55
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

HS Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	89-108	N/A
MASL (IEC) (dB SPL)	N/A	71-105
ANSI/IEC Battery Current (mA)	1.3-1.5*	1.3-1.6*
Idle Current (mA)	1.3*	1.3*
Estimated Battery Life for 16-Hour Day		
312 Zinc Air (days)	7-10*	7-10*
Tinnitus Therapy Stimulus		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

*Results will vary based on wireless usage.

ITC
IN-THE-CANAL

Canvas **i2400** | **i2000** | **i1600**

Matrices: 110/40, 115/50, 120/60, 130/70

Battery Size: 312

Color Guide

Faceplate Colors: Dark Brown, Chestnut, Medium Brown, Light Brown, Pink

Shell Colors: Clear, Light Brown, Pink, Blue/Red

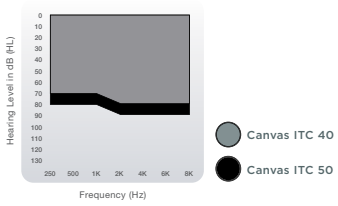
Patient Features

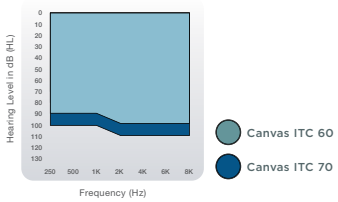
- Tinnitus Technology
- Wireless Connectivity
- Telecoil Option

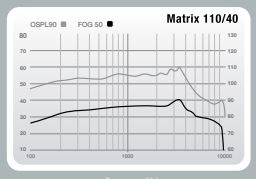
Accessories

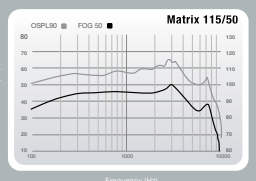
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

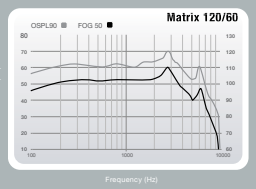
Fitting Range

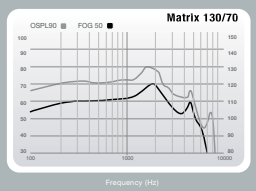












ITC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	122-139
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	106-130
Peak Gain (dB)	40-70	54-79
HFA Full-On Gain (dB)	36-64	N/A
RTF Full-On Gain (dB)	N/A	37-68
Frequency Range (Hz)	<100-9600	<100-9600
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	29-47	30-55
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

ITC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Induction Coil Sensitivity		
HFA SPLITS (ANSI) (dB SPL)	89-108	N/A
MASL (IEC) (dB SPL)	N/A	71-105
ANSI/IEC Battery Current (mA)	1.3-1.5*	1.3-1.6*
Idle Current (mA)	1.3*	1.3*
Estimated Battery Life for 16-Hour Day		
312 Zinc Air (days)	7-10*	7-10*
Tinnitus Therapy Stimulus		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

*Results will vary based on wireless usage.

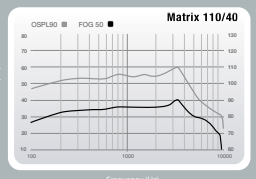
CIC

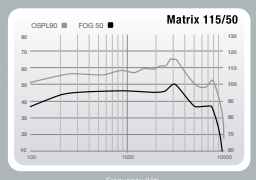
COMPLETELY-IN-CANAL

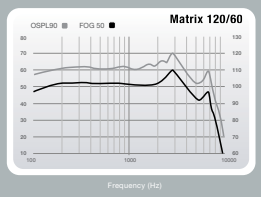
Canvas **i2400** | **i2000** | **i1600**

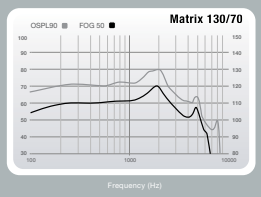
Matrices: 110/40, 115/50, 120/60, 130/70

Battery Size: 312, 10









Color Guide

Faceplate Colors

Shell Colors

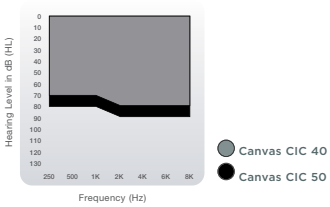
Patient Features

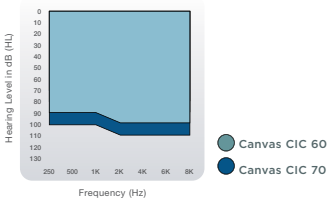
- Tinnitus Technology
- Wireless Connectivity

Accessories

- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

Fitting Range





CIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	120-137
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	110-130
Peak Gain (dB)	40-70	51-78
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	44-68
Frequency Range (Hz)	<100-9400	<100-9700
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	29-47	35-55
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
ANSI/IEC Battery Current (mA)	1.2-1.5*	1.2-1.5*
Idle Current (mA)	1.2-1.3*	1.2-1.3*

CIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Estimated Battery Life for 16-Hour Day		
312 Zinc Air (days)	7-10*	7-10*
10 Zinc Air (days)	4-7*	4-7*
Tinnitus Therapy Stimulus		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

CIC

COMPLETELY-IN-CANAL

Canvas **2400** | **2000** | **1600**

Matrices: 120/60, 130/70 **Battery Size: 312, 10**

Color Guide

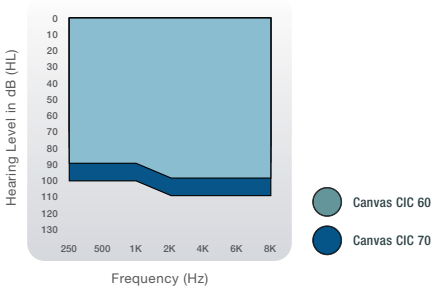
Faceplate Colors: Dark Brown, Chestnut, Medium Brown, Light Brown, Pink

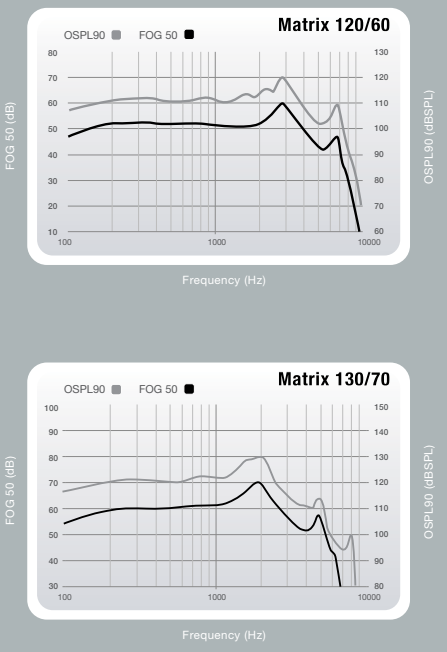
Shell Colors: Clear, Light Brown, Pink, Blue/Red

Patient Features

- Tinnitus Technology

Fitting Range





CIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-130	120-137
HFA OSPL90 (dB SPL)	106-124	N/A
RTF OSPL90 (dB SPL)	N/A	110-130
Peak Gain (dB)	40-70	51-78
HFA Full-On Gain (dB)	36-63	N/A
RTF Full-On Gain (dB)	N/A	44-68
Frequency Range (Hz)	<100-9400	<100-9700
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	29-47	35-55
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3
ANSI/IEC Battery Current (mA)	1.1-1.3	1.1-1.3
Idle Current (mA)	1.0-1.1	1.0-1.1

CIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Estimated Battery Life for 16-Hour Day		
312 Zinc Air (days)	7-10	7-10
10 Zinc Air (days)	4-7	4-7
Tinnitus Therapy Stimulus		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

IIC
INVISIBLE-IN-CANAL

Canvas **i2400**

Matrices: 10/35, 110/40, 115/50 **Battery Size: 10**

Color Guide

Faceplate Colors

Black, Dark Brown, Medium Brown, Light Brown, Pink

Shell Colors

Black, Clear, Dark Brown, Cocoa Brown, Light Brown, Pink, Blue/Red

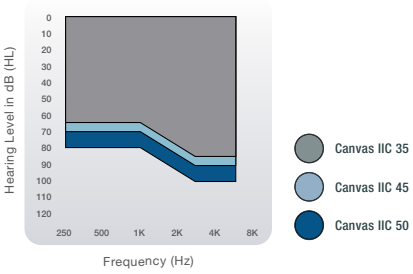
Patient Features

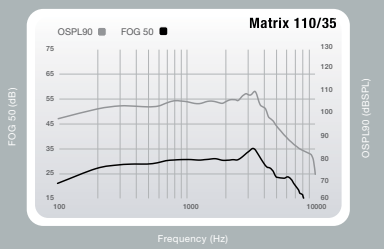
- Tinnitus Technology
- Wireless Connectivity

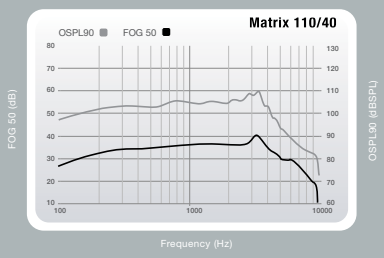
Accessories

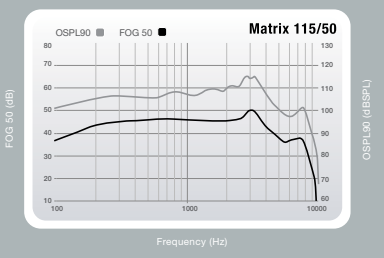
- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

Fitting Range









IIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
Peak OSPL90 (dB SPL)	110-115	120-125
HFA OSPL90 (dB SPL)	106-109	N/A
RTF OSPL90 (dB SPL)	N/A	110-114
Peak Gain (dB)	35-50	45-61
HFA Full-On Gain (dB)	30-46	N/A
RTF Full-On Gain (dB)	N/A	39-46
Frequency Range (Hz)	<100-9400	<100-9700
Reference Test Freq. (kHz)	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	29-32	32-37
Equivalent Input Noise (dB)	<25	<25
Harmonic Distortion		
500 Hz (%)	<3	<3
800 Hz (%)	<3	<3
1600 Hz (%)	<3	<3

IIC Gain Data

Measurement	ANSI/IEC 2cc Coupler	IEC OES Coupler
ANSI/IEC Battery Current (mA)	1.2-1.5*	1.2-1.4*
Idle Current (mA)	1.2*	1.2*
Estimated Battery Life for 16-Hour Day		
312 Zinc Air (days)	4-7*	4-7*
Tinnitus Therapy Stimulus		
Max RMS Output (dB SPL)	87	
Weighted RMS Output Level (dB SPL)	87	
Max 1/3 Octave Output (dB SPL)	87	

*Results will vary based on wireless usage.

POWER PLUS BTE 13

BEHIND-THE-EAR

NOW iQ **i2400** | **i2000** | **i1600**

Matrices: 140/80 **Battery Size:** 13

Color Guide

Standard Colors

Bright White with Sterling | Black | Slate | Sterling | Espresso | Bronze | Champagne

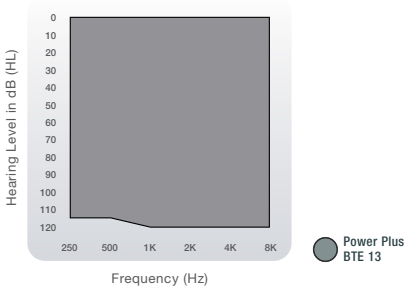
Patient Features

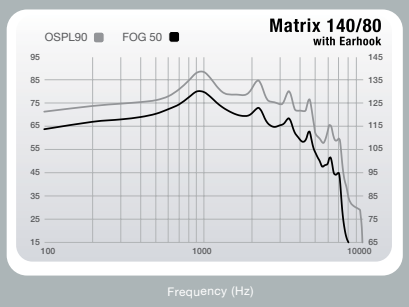
- Tinnitus Technology
- CROS System
- Telecoil
- IP Rating 68

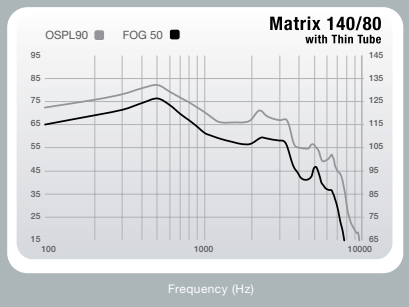
Accessories

- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

Fitting Range







Measurement	Earhook ANSI/IEC 2cc Coupler	Earhook IEC OES Coupler	Thin Tube (Size 3, Occluded) ANSI/IEC 2cc Coupler	Thin Tube (Size 3, Occluded) IEC OES Coupler
Peak OSPL90 (dB SPL)	140	142	132	136
HFA OSPL90 (dB SPL)	131	N/A	118	N/A
RTF OSPL90 (dB SPL)	N/A	136	N/A	125
Peak Gain (dB)	80	84	76	82
HFA Full-On Gain (dB)	72	N/A	59	N/A
RTF Full-On Gain (dB)	N/A	78	N/A	69
Frequency Range (Hz)	<100-5100	<100-6400	<100-5700	<100-7000
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	54	61	41	50
Equivalent Input Noise (dB)	23	23	23	23
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	Earhook ANSI/IEC 2cc Coupler	Earhook IEC OES Coupler	Thin Tube (Size 3, Occluded) ANSI/IEC 2cc Coupler	Thin Tube (Size 3, Occluded) IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	101	N/A	99	N/A
MASL (IEC) (dB SPL)	92	N/A	87	N/A
ANSI/IEC Battery Current (mA)	1.9*	1.8*	2.5*	1.8*
Idle Current (mA)	1.7*	1.7*	1.5*	1.5*
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	7-11*	7-11*	7-10*	7-10*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

POWER PLUS BTE 13

BEHIND-THE-EAR

NOW iQ **i1200** | **i1000**

Matrices: 140/80 **Battery Size: 13**

Color Guide

Bright White with Sterling · Black · Slate · Sterling · Espresso · Bronze · Champagne

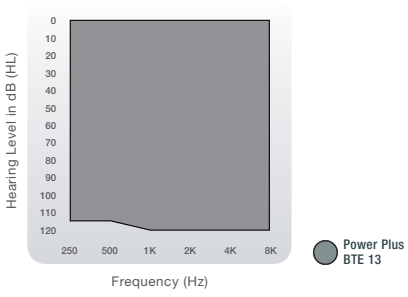
Patient Features

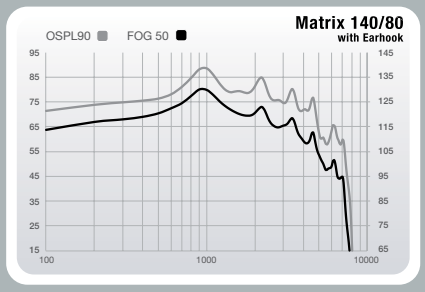
- Tinnitus Technology
- Telecoil
- IP Rating 68

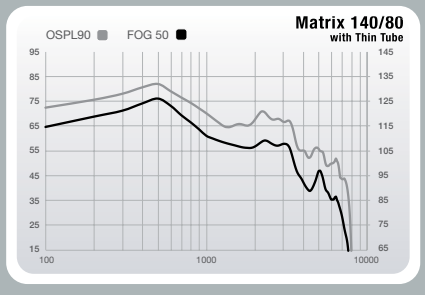
Accessories

- SurfLink Mini Mobile System
- SurfLink Remote Microphone 2
- SurfLink Media 2
- SurfLink Remote
- SurfLink Programmer

Fitting Range







Measurement	Earhook ANSI/IEC 2cc Coupler	Earhook IEC OES Coupler	Thin Tube (Size 3, Occluded) ANSI/IEC 2cc Coupler	Thin Tube (Size 3, Occluded) IEC OES Coupler
Peak OSPL90 (dB SPL)	140	142	132	136
HFA OSPL90 (dB SPL)	131	N/A	118	N/A
RTF OSPL90 (dB SPL)	N/A	136	N/A	125
Peak Gain (dB)	80	84	76	82
HFA Full-On Gain (dB)	72	N/A	59	N/A
RTF Full-On Gain (dB)	N/A	78	N/A	69
Frequency Range (Hz)	<100-5100	<100-6400	<100-5700	<100-7000
Reference Test Freq. (kHz)	N/A	1.6	N/A	1.6
HFA Frequencies (kHz)	1.0,1.6,2.5	N/A	1.0,1.6,2.5	N/A
Reference Test Gain (dB)	54	61	41	50
Equivalent Input Noise (dB)	23	23	23	23
Harmonic Distortion				
500 Hz (%)	<3	<3	<3	<3
800 Hz (%)	<3	<3	<3	<3
1600 Hz (%)	<3	<3	<3	<3

Measurement	Earhook ANSI/IEC 2cc Coupler	Earhook IEC OES Coupler	Thin Tube (Size 3, Occluded) ANSI/IEC 2cc Coupler	Thin Tube (Size 3, Occluded) IEC OES Coupler
Induction Coil Sensitivity				
HFA SPLITS (ANSI) (dB SPL)	101	N/A	99	N/A
MASL (IEC) (dB SPL)	92	N/A	87	N/A
ANSI/IEC Battery Current (mA)	1.9*	1.8*	2.5*	1.8*
Idle Current (mA)	1.7*	1.7*	1.5*	1.5*
Estimated Battery Life for 16-Hour Day				
312 Zinc Air (days)	7-10*	7-10*	7-10*	7-10*
Tinnitus Therapy Stimulus				
Max RMS Output (dB SPL)	87		87	
Weighted RMS Output Level (dB SPL)	87		87	
Max 1/3 Octave Output (dB SPL)	87		87	

*Results will vary based on wireless usage.

CROS System

POWER PLUS BTE 13

NOW iQ **i2400 | i2000 | i1600 | i1200 | i1000**

The NuEar CROS System includes products specifically designed for patients who need sound routed to a better hearing ear. NuEar's CROS solution transmits sound wirelessly from a microphone placed on a patient's unaidable ear to a receiver fitted on a patient's better hearing ear. Devices can also be configured as a BiCROS solution for patients who need amplification in their better hearing ear.

Special Features

- Clear and consistent wireless streaming using 900sync technology
- Acuity OS 2 brings audibility and speech understanding to patients in any environment
- Full Acuity Immersion Directionality on the CROS transmitter
- Telecoil standard in NOW iQ CROS receivers
- Compatible with SurfLink accessories

Compatibility

NOW iQ Power Plus BTE 13 CROS is compatible with NOW iQ Power Plus BTE 13

Battery Information

Model	Battery size	IEC code	ANSI code
NOW iQ Power Plus BTE 13 CROS	13	PR48	7000ZD

Audio Information

Audio Quality:	20 kHz sampling frequency

Radio Information

Antenna type:	Integral Dual Parallel Loop Antenna
Operation frequency:	902-928 MHz
Occupied bandwidth (99% BW):	300 kHz
Modulation:	FSK
Operating range:	1 m
Wearing options:	Behind-The-Ear
Use case:	Streaming of audio signal to receiving hearing aid on the other ear
Transmit Power:	Power Plus BTE 13: -22 dBm

Standards Applied

USA	Canada
FCC ID: EOA-EXPSTANDARD	IC: 6903A-EXPSTANDARD
Power Plus BTE 13 FCC ID: EOA-NuEarPOWER13	Power Plus BTE 13 IC: 6903A-NuEarPOWER13

General Information

Transportation and storage conditions for Zinc Air Products:

-40°C (-40°F) to +60°C (140°F) and 10%-95% rH. Your hearing aids are designed to operate beyond the range of temperatures comfortable to you, from very cold up to 50°C (122°F).

Safety Standards:

Meets IEC 60601-2-66 safety standard and IEC 60601-1-2 EMC standard.

Made for a **wireless landscape**

Our innovative line of SurfLink accessories—combined with our wireless hearing aids—let patients live life the way they want, no wires attached.

SurfLink Remote

With the SurfLink Remote, patients can control memory and volume adjustments, mute their hearing aids or go in and out of streaming mode. Available in advanced and basic models.

SurfLink Media 2

SurfLink Media 2 is a set-and-forget media streaming solution that connects to TVs, MP3 players and more, to wirelessly stream audio directly to your hearing aids.

SurfLink Remote Microphone 2

The SurfLink Remote Microphone 2 is designed to stream audio directly to your patients' wireless Canvas and NOW iQ hearing aids. This discreet, lightweight device can be worn by a conversation partner to aid patients in one-on-one conversations or settings with multiple speakers.

SurfLink Mini Mobile System

With the SurfLink Remote, patients can control memory and volume adjustments, mute their hearing aids or go in and out of streaming mode. Available in advanced and basic models.

Plug the Mini Mobile Adapter into the bottom of the SurfLink Remote Microphone 2 (shown above)

Earmolds

Earmold and Earplug Options

Lucite	Digital SLS	Ultraflex	High Strength Silicone 60	High Strength Silicone 40	Floatable Silicone
Acrylic	Acrylic	Vinyl	Silicone	Silicone	Silicone
Hand Poured	Digital	Hand Poured	Digital	Digital	Digital
90 shore	90 shore	50 shore	60 shore	40 shore	25 shore
The higher the shore value, the harder the material.					
MOST RIGID ← Lucite, Digital SLS, Ultraflex, High strength silicone 60, High strength silicone 40, Floatable silicone → **SOFTEST**					
BTE and Thin Tube molds; not RIC molds	RIC, BTE, and Thin Tube molds	Specialty molds, Silicone allergies	Earmolds, specialty molds, plugs	Earmolds, specialty molds, plugs	Swim plugs
Twirl - 3 colors Glitter	One color	Only option is frosty clear	Twirl - 3 colors, Glitter	Twirl - 3 colors, Glitter	Twirl - 3 colors, Glitter only on Rose Transparent

High Strength Silicone 40	Clear	Rose transparent	Light brown	Brown	Red	Blue	Green	Yellow	White	Purple	Pink	Orange	Light blue	Light pink	Light purple	Champagne	Onyx	Slate	Sterling
Clear		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Rose transparent	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Light brown	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Brown	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Red	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●
Blue	●	●	●	●	●				●	●		●	●	●	●	●	●	●	●
Green	●	●	●	●	●			●	●	●	●	●	●	●	●	●			●
Yellow	●	●	●	●	●		●		●	●	●	●	●	●	●	●	●	●	●
White	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●
Purple	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●
Pink	●	●	●	●	●		●	●	●			●	●	●	●	●	●	●	●
Orange	●	●	●	●		●	●	●	●	●	●		●	●	●	●	●	●	●
Light blue	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●
Light pink	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●
Light purple	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●
Champagne	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●
Onyx	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●
Slate	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●		●
Sterling	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Glitter Colors

Multi	Blue	Green	Pink	Red	Orange	Gold	Silver	Purple

Custom RIC Earmolds

Hard Material Styles
DIGITAL SLS/LUCITE


AP EMBEDDED


RIC CANAL


RIC CANAL LOCK


RIC HALF SHELL


RIC 3/4 SHELL


RIC SHELL


RIC 3/4 SKELETON


RIC SKELETON


RIC HELIX

Soft Material Styles
HIGH STRENGTH SILICONE


RIC CANAL


RIC HOLLOW CANAL


RIC CANAL LOCK


RIC HALF SHELL


RIC 3/4 SHELL


RIC SHELL


RIC 3/4 SKELETON


RIC SKELETON


RIC HELIX


RIC OCCLUDED HELIX

DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR

Custom Thin Tube Earmolds

Hard Material Styles
DIGITAL SLS/LUCITE


CIC


CANAL


HOLLOW CANAL


CANAL LOCK


HOLLOW CANAL LOCK


HALF SHELL


3/4 SHELL


SHELL


3/4 SKELETON


SKELETON


HOLLOW SKELETON


DIRECT TUBE


JANSSEN MOLD


NON-OCCLUDING TYPE A MOLD


NON-OCCLUDING TYPE B MOLD


NON-OCCLUDING TYPE G MOLD


NON-OCCLUDING TYPE J MOLD

Soft Material Styles
HIGH STRENGTH SILICONE


CIC


CANAL


CANAL LOCK


HOLLOW CANAL


HALF SHELL


3/4 SHELL


SHELL


3/4 SKELETON


SKELETON


DIRECT TUBE


NON-OCCLUDING TYPE G MOLD


HELIX THIN TUBE

DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR

Stock Solutions


STOCK RIC MOLD
Extra Small
Small
Standard


STOCK HELIX RIC MOLD
Standard


OPEN COMFORT BUD
5mm, 6mm, 7mm,
9mm, 11mm


OCCLUDED COMFORT BUD
5mm, 6mm, 7mm,
9mm, 11mm


POWER DOMES
5mm, 6mm, 7mm,
9mm, 11mm


STOCK HOLLOW SILICONE
Extra Small
Small
Standard


STOCK THIN TUBE SOLUTION
Standard


OPEN COMFORT BUD
5mm, 6mm, 7mm,
9mm, 11mm


OCCLUDED COMFORT BUD
5mm, 6mm, 7mm,
9mm, 11mm


POWER DOMES
5mm, 6mm, 7mm,
9mm, 11mm

RIC Receiver Options

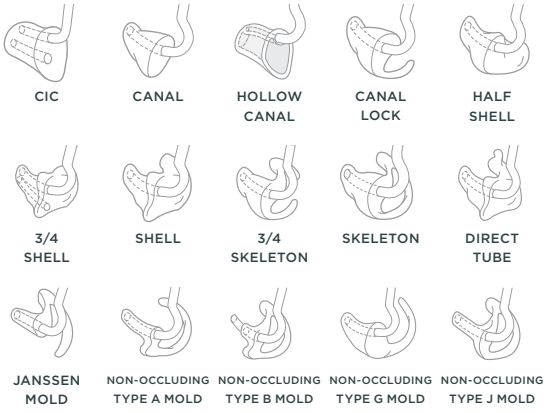

40 gain


50 gain

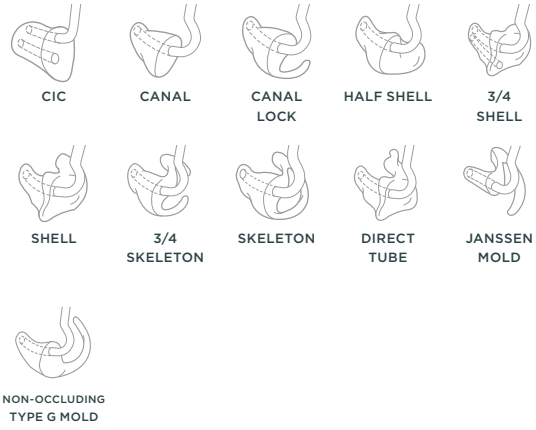

60 gain

Custom BTE Earmolds

Hard Material Styles
DIGITAL SLS/LUCITE



Soft Material Styles
HIGH STRENGTH SILICONE



DEFAULT COLOR FOR BOTH MATERIALS IS CLEAR

Earmold Vent Size Chart

VENT NAME	APPROXIMATE SIZE
Pressure Vent	0.8mm
Small	1.2mm
Medium	1.8mm
Large	2.55mm
Select-A-Vent	3.37mm
Extra Large	As large as canal allows

VENT SIZE IS LIMITED BY EAR ANATOMY

Prevent hearing damage with SoundGear

Exposure to excessive noise is a common cause of permanent hearing loss. It can happen on the job, during a concert, while hunting or shooting, or even while mowing the lawn. Electronic and non-electronic hearing protection products from SoundGear® provide the solution.

SOUNDGEAR®
POWERED BY Starkey. Hearing Technologies

Electronic Custom Fit

SoundGear Custom products are for those who are looking for exceptional performance and personalization. Each pair is custom molded to the wearer's ears and features the most advanced 100 percent digital hearing protection and enhancement technology on the market.

Color Guide

Faceplate Colors: Black, Light Brown

Shell Colors: Black, Clear, Blue/Red

Platinum

Matrix: 95/30 | NRR: 24-26 dB

- 4 Digital Listening Modes: (Normal, High Frequency Boost + Max Wind Management, Telecoil, Mute)
- Helix Microphone
- Not Field Programmable

Complete Kit Contains:

- Zipper carrying case
- One (1) pair of SoundGear electronic hearing protection devices
- Black removable lanyard system
- Two (2) packs of batteries (Size 13)
- One (1) cleaning brush
- Two (2) packs Hear Clear wax guards
- 1-year, Worry-Free repair warranty

Color Guide

Faceplate Colors: Black, Light Brown

Shell Colors: Black, Clear, Blue/Red

Silver

Matrix: 95/30 | NRR: 24-26 dB

- 1 Digital Listening Mode: (Normal)
- Helix Microphone
- Not Field Programmable

Complete Kit Contains:

- Zipper carrying case
- One (1) pair of SoundGear electronic hearing protection devices
- Black removable lanyard system
- Two (2) packs of batteries (Size 13)
- One (1) cleaning brush
- Two (2) packs Hear Clear wax guards
- 1-year, Worry-Free repair warranty

Electronic Instant Fit

SoundGear In-the-Canal is the smallest and lightest dynamic digital hearing protection product available. It's ideal for the hunter or shooter looking for an edge — or industrial workers looking for all-day comfort. Ready to wear right out of the box, it rests discreetly inside the user's ear to deliver natural wind reduction and superior sound quality.

Hunter and Shooter Model
93/15 Matrix | NRR: 25 dB

Industrial Model
80/8 Matrix | NRR: 25 dB

Complete Kit Contains:

- Zipper carrying case
- One (1) pair of SoundGear electronic hearing protection devices
- Two (2) pairs of orange silicone sleeves
  (1) small
  (1) large
- Two (2) packs of batteries
  (Size 10)
- One (1) cleaning brush
- 1-year, Worry-Free repair warranty

(PASSIVE)

Non-Electronic Custom

As industry leaders in custom hearing instruments, we at Starkey Hearing Technologies — in partnership with SoundGear — apply the same manufacturing and technology expertise to our earplug solutions. They are customized for every patient resulting in the best custom fit hearing protection available.

Solid Ear Plugs
NRR: 27 dB

- Full Shell

Filtered Ear Plugs
NRR: 10-26 dB

- Interchangeable Filters: 10 dB, 17 dB, 26 dB, Impulse or Solid
- Attenuate accross all frequencies
- Full Shell or Canal Style

High-Frequency Noise Filters (Hocks Noise Braker)
NRR: 19-22 dB

- Full Shell

Complete Kit Contains:

- Zipper carrying case
- Earmolds
- Black removable lanyard system

Refer to color guide on page 104 for High Strength Silicone 40 color options.

Hearing Aid Care

Protection for your Hearing Aids

Hear Clear Receiver Wax Guards

The Hear Clear exclusive earwax protection system uses disposable wax guards. The innovative wax guards prevent earwax accumulation in the hearing aid receiver. Hear Clear Receiver protection is compatible with all custom and RIC products.

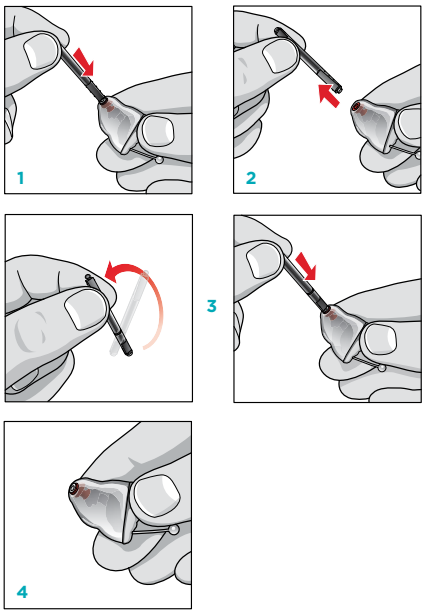
1. Insert empty end of the application stick straight into used wax guard in hearing aid.

2. Pull **straight** out (do not twist) on stick to remove used wax guard.

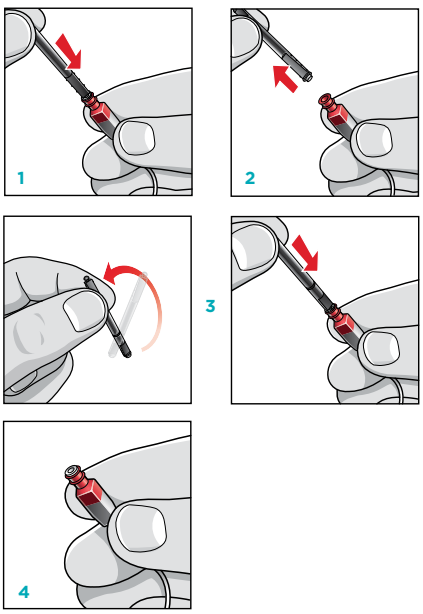
3. Use opposite end of stick to firmly insert clean wax guard into hearing aid.

4. Pull **straight** out (do not twist) to remove stick and discard.

Custom



RIC



The data for NuEar hearing instruments are obtained and performance is expressed according to ANSI S3.22 (2009), IEEE C63.19 (2011), IEC 60118-7 (2005) and IEC 60118-0 (1983) with Amendment 1 (1994-01). The NuEar proprietary Real Time Analyzer and the NuEar 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 NuEar hearing instruments, the hearing instrument must be set to test mode to compare the actual performance of the hearing instrument with these specifications. NuEar hearing instruments may be set to test mode with Inspire X by reading the hearing aid and selecting the “Hearing Aid Test” screen from the menu on the left side of the Inspire X window, then selecting the “Full-on Gain” button.

For Thrive Hearing Control app compatibility information, please visit NuEar.com/thrive-hearing.

Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Apple, the Apple logo, iPhone, iPad, iPod touch, Siri and App Store are trademarks of Apple Inc., registered in the U.S. and other countries.

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NUEAR

Made for iPhone | iPad | iPod

Download on the App Store

GET IT ON Google Play

 10/19 CTLG2006-00-EE-NE