2022
Product Specifications

PERSONA
MEDICAL

PERSONA®
MEDICAL

INSPIRED BY THE LIGHT

SOMBRA

With cosmetic appeal, industry leading technology and affordable pricing the Sombra line is, beyond a shadow of a doubt, the obvious choice. Life is all about change and how we adapt to it. Keeping pace with modern living means the need for a flexible hearing system that can accommodate those changes. Sombra employs a wide assortment of advanced signal processing strategies and automatic/adaptive features optimizing the listening experience for your patients.

Since 1967, Persona Medical has been an industry leader in creating advanced, reliable instruments. Our customer service team is second to none. It's easy to see why we have been the manufacturer of choice for so many independent offices, for so many years.

SOMBRA™

Features:

- Hydrocoat moisture barrier
- Speech-Focus Null Steering Directional Mics™
- 128 Channels Layered Noise Reduction
- Up To 4 Memories / 16 Programmable Bands
- Feedback Shield Path Manager™
- Wind Noise Reduction
- All-In-One Environmental Speech Enhancement
- Wax Barrier Integrated Receiver Links
- Noah Link Compatible
- Extended Battery Life
- Speech Mapping Compatible
- Data Logging
- Adaptive Telecoil

Persona Medical offers some of the finest hearing instruments combined with ease of use through automatic functionality - always at an exceptional value.

Exclusive territories available.

PERSONA® MEDICAL

PERSONAMEDICAL.COM

ESTABLISHED 1967

T. 407.339.2422 USA

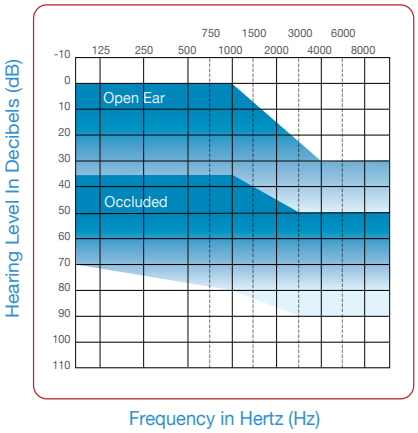
INFO@PERSONAMEDICAL.COM

FDA NOAH

SOMBRA

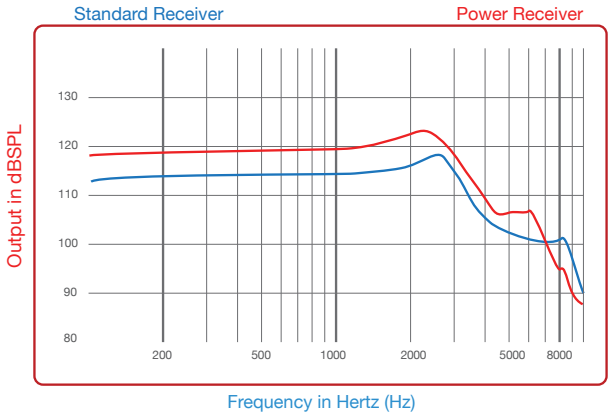
Sombra Xr 2.4GHz Bluetooth Audio Streaming - Features

- Made for Iphone Audio Streaming : Android Streaming w/Freelink
- Speech-Focus™ Null Tracking Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Auto Scene Detection (6 Environments)
- Freelink Companion Option (Stream music / television / cell)
- Auto-Adaptation Feedback Shield™
- Binaural Synchronization (Ear to Ear); Scene and Volume
- Hydrocoat moisture barrier
- 16 WDRC Band Programming
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual Rocker VC / Memory Change
- Geo-Data Tag Favorite Location Recall Memories (app req'd)
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Wax-blocking RU connectors
- Expansion
- Data Logging
- Hearing Aid Finder

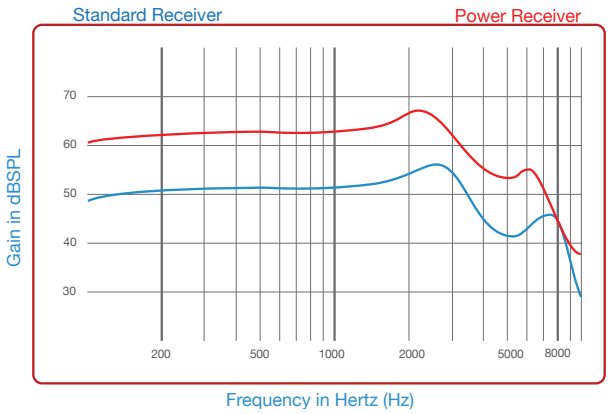


SOMBRA Xr	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	117/122* dBSPL	124/129* dBSPL
OSPL90 @ 1600 Hz	N/A	122/127* dBSPL
HFAverage OSPL90	115/120* dBSPL	N/A
Peak Gain	56/67* dB	63/74* dB
HFA Full-On-Gain	54/64* dB	N/A
Full-On-Gain @ 1600 Hz	N/A	61/71* dB
Reference Test Gain	38/44* dB	N/A
R.T.G @ 1600 Hz	N/A	45/51* dB
Frequency Range (F1-F2)	200-8000 Hz 200-7100* Hz	NA N/A
THD at 500 Hz	< 2%	N/A
800 Hz	< 2%	< 2%
1600 Hz	< 1%	< 22 / 21* dB
Equivalent Input Noise	< 22 / 21* dB	10mS @ 2kHz* 20mS @ 2kHz*
Attack Time	10mS @ 2kHz*	1.59 / 1.73* mA
Release Time	20mS @ 2kHz*	90 / 80* Hrs
Battery Current Drain	1.59 / 1.73* mA	65 / 60* Hrs
Battery Life [312]*	90 / 80* Hrs	
Battery Life (streaming)	65 / 60* Hrs	
	*Power Receiver	*Power Receiver

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

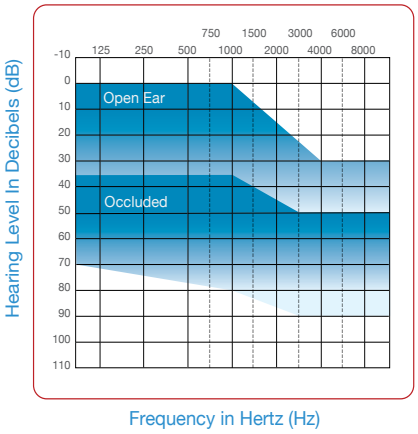
407.339.2422 | info@personamedical.com

SP_SOMBRAXR_10_20_rev- © PERSONA

SOMBRA

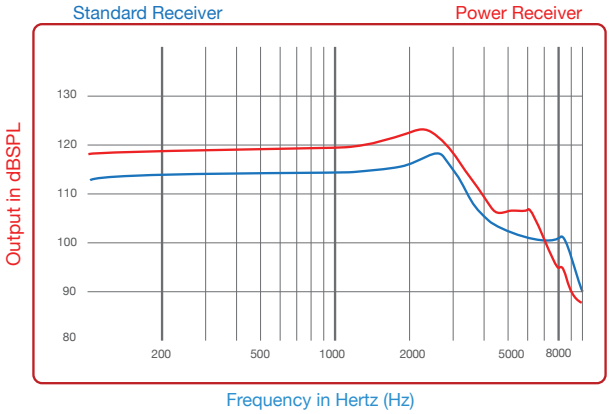
Sombra Vr 2.4GHz Bluetooth Audio Streaming - Features

- Made for Iphone Audio Streaming : Android Streaming w/Freelink
- Auto & Fixed Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Auto Scene Detection (2 Environments)
- Freelink Companion Option (Stream music / television / cell)
- Auto-Adaptation Feedback Shield™
- Binaural Synchronization (Ear to Ear); Scene and Volume
- Hydrocoat moisture barrier
- 12 WDRC Band Programming
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual Rocker VC / Memory Change
- Geo-Data Tag Favorite Location Recall Memories (app req'd)
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Wax-blocking RU connectors
- Hearing Aid Finder (app req'd)
- Expansion
- Data Logging

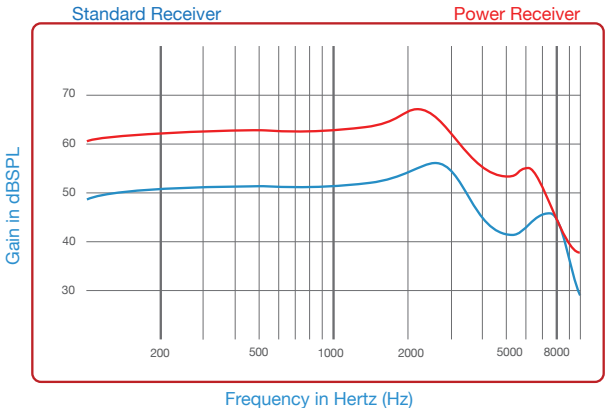


SOMBRA Vr	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	117/122* dBSPL	124/129* dBSPL
OSPL90 @ 1600 Hz	N/A	122/127* dBSPL
HFAverage OSPL90	115/120* dBSPL	N/A
Peak Gain	56/67* dB	63/74* dB
HFA Full-On-Gain	54/64* dB	N/A
Full-On-Gain @ 1600 Hz	N/A	61/71* dB
Reference Test Gain	38/44* dB	N/A
R.T.G @ 1600 Hz	N/A	45/51* dB
Frequency Range (F1-F2)	200-8000 Hz 200-7100* Hz	NA N/A
THD at 500 Hz	< 2%	N/A
800 Hz	< 2%	< 2%
1600 Hz	< 1%	< 22 / 21* dB
Equivalent Input Noise	< 22 / 21* dB	10mS @ 2kHz* 20mS @ 2kHz*
Attack Time	10mS @ 2kHz*	1.59 / 1.73* mA
Release Time	20mS @ 2kHz*	90 / 80* Hrs
Battery Current Drain	1.59 / 1.73* mA	65 / 60* Hrs
Battery Life [312]*	90 / 80* Hrs	
Battery Life (streaming)	65 / 60* Hrs	
	*Power Receiver	*Power Receiver

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

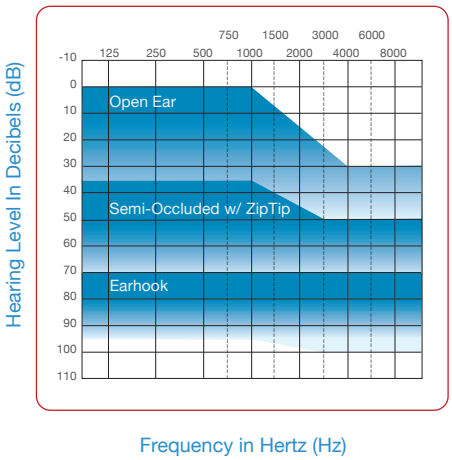
407.339.2422 | info@personamedical.com

SP_SOMBRAVR_10_20_rev- © PERSONA

SOMBRA

Sombra Xs 2.4GHz Bluetooth Audio Streaming - Features

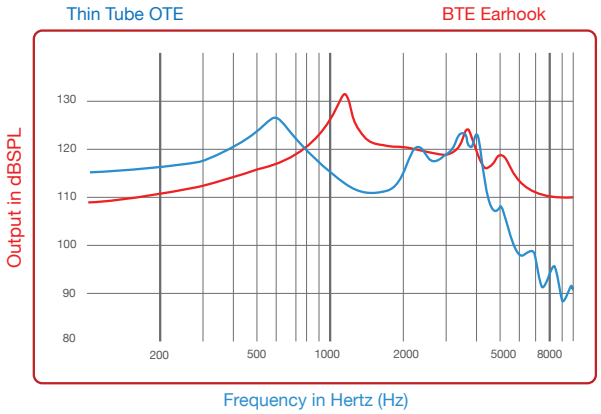
- Made for Iphone Audio Streaming: Android Streaming w/Freelink
- Auto & Fixed Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Auto Scene Detection (6 Environments)
- Freelink Companion Option (stream music / television / cell)
- Auto-Adaptation Feedback Shield™
- Binaural Synchronization (Ear to Ear); Scene and Volume
- Hydrocoat moisture barrier
- 16 WDRC Band Programming
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual Rocker VC / Memory Change
- Geo-Data Tag Favorite Location Recall Memories (app req'd)
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Hearing Aid Finder (app req'd)
- Expansion
- Data Logging



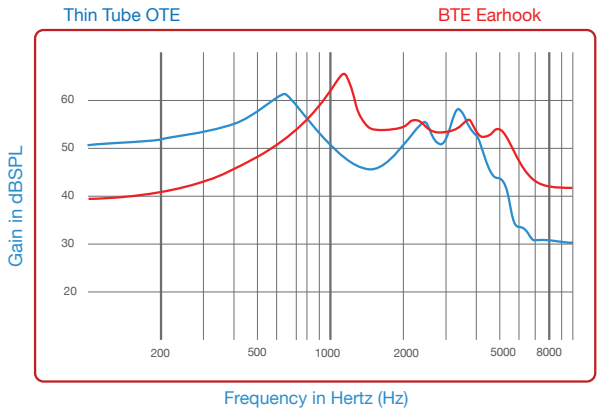
SOMBRA Xs

	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	127/131* dBSPL	134/138* dBSPL
OSPL90 @ 1600 Hz	N/A	122/132* dBSPL
HFAverage OSPL90	115/125* dBSPL	N/A
Peak Gain	62/67* dB	69/74* dB
HFA Full-On-Gain	50/60* dB	N/A
Full-On-Gain @ 1600 Hz	N/A	57/67* dB
Reference Test Gain	38/48* dB	N/A
R.T.G @ 1600 Hz	N/A	45/55* dB
Frequency Range (F1-F2)	200-6700 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 2%	N/A
1600 Hz	< 2%	< 2%
Equivalent Input Noise	< 22 / 22* dB	< 26 / 22* dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	20mS @ 2kHz*	20mS @ 2kHz*
Battery Current Drain	1.53 / 1.53* mA	1.53 / 1.53* mA
Battery Life [13]*	150 / 150* Hrs	150 / 150* Hrs
Battery Life (streaming)	100 / 100* Hrs	100 / 100* Hrs
	*BTE Earhook	*BTE Earhook

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

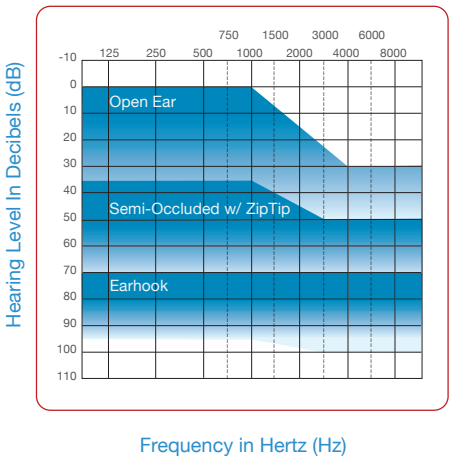
407.339.2422 | info@personamedical.com

SP_SOMBRAXS_10_20_rev- © PERSONA

SOMBRA

Sombra Vs 2.4GHz Bluetooth Audio Streaming - Features

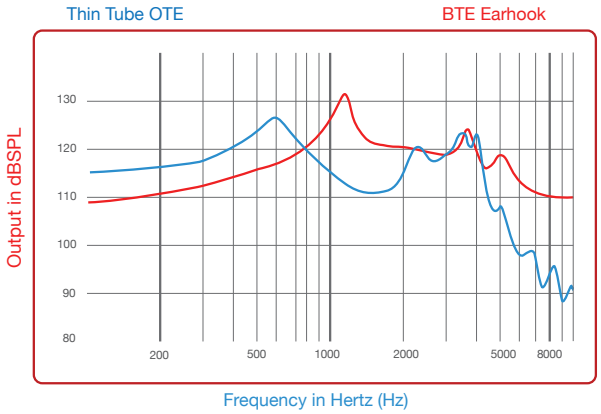
- Made for Iphone Audio Streaming : Android Streaming w/Freelink
- Auto & Fixed Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Auto Scene Detection (2 Environments)
- Freelink Companion Option (Stream music / television / cell)
- Auto-Adaptation Feedback Shield™
- Binaural Synchronization (Ear to Ear); Scene and Volume
- Hydrocoat moisture barrier
- 12 WDRC Band Programming
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual Rocker VC / Memory Change
- Geo-Data Tag Favorite Location Recall Memories (app req'd)
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Hearing Aid Finder (app req'd)
- Expansion
- Data Logging



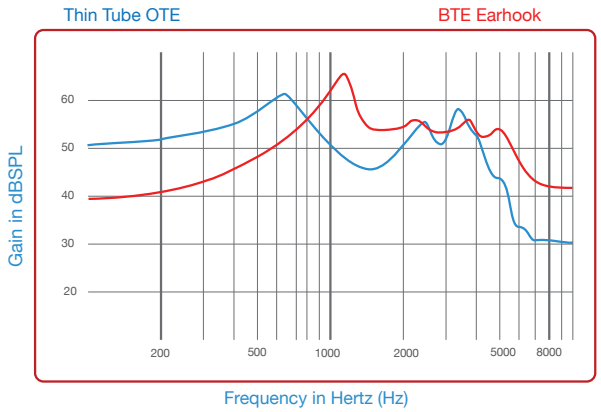
SOMBRA Vs

	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	127/131* dBSPL	134/138* dBSPL
OSPL90 @ 1600 Hz	N/A	122/132* dBSPL
HFAverage OSPL90	115/125* dBSPL	N/A
Peak Gain	62/67* dB	69/74* dB
HFA Full-On-Gain	50/60* dB	N/A
Full-On-Gain @ 1600 Hz	N/A	57/67* dB
Reference Test Gain	38/48* dB	N/A
R.T.G @ 1600 Hz	N/A	45/55* dB
Frequency Range (F1-F2)	200-6700 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 2%	N/A
1600 Hz	< 2%	< 2%
Equivalent Input Noise	< 22 / 22* dB	< 26 / 22* dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	20mS @ 2kHz*	20mS @ 2kHz*
Battery Current Drain	1.53 / 1.53* mA	1.53 / 1.53* mA
Battery Life [13]*	150 / 150* Hrs	150 / 150* Hrs
Battery Life (streaming)	100 / 100* Hrs	100 / 100* Hrs
	*BTE Earhook	*BTE Earhook

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

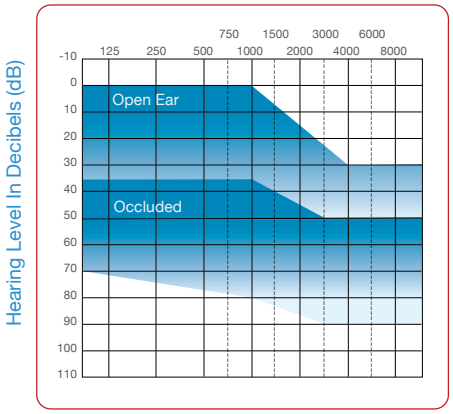
407.339.2422 | info@personamedical.com

SP_SOMBRAVS_10_20_rev- © PERSONA

SOMBRA

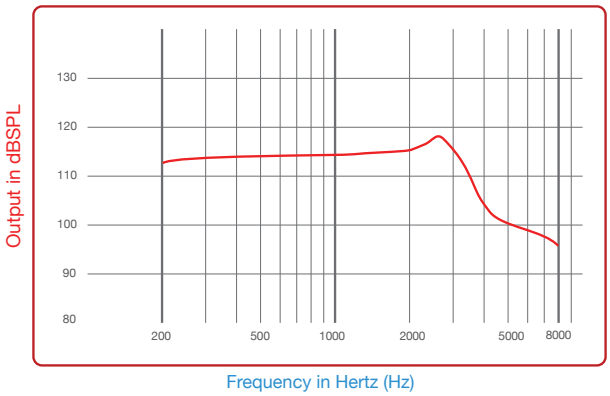
Sombra 8r series - Features

- Speech-Focus™ Null Tracking Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Feedback path eliminator
- Auto-Adaptation Feedback Shield™
- Adaptive telecoil switch
- Hydrocoat moisture barrier
- Environmental Classification Noise Reduction
- 128 Channels Noise Reduction
- 16 Band Programming Control
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual VC / Memory Change
- Speech Mapping Compatible w/ Graphic Equalizer
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Wax-blocking RU connectors
- Data Logging

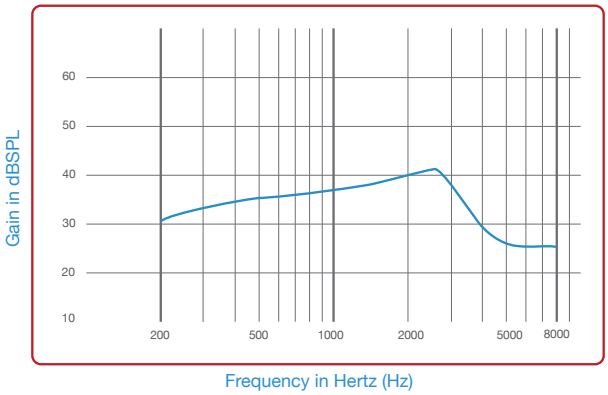


SOMBRA 8r	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	117 dBSPL	125 dBSPL
OSPL90 @ 1600 Hz	N/A	121 dBSPL
HFAverage OSPL90	113 dBSPL	N/A
Peak Gain	60 dB	68 dB
HFA Full-On-Gain	55 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	63
Reference Test Gain	35 dB	N/A
R.T.G @ 1600 Hz	N/A	43 dB
Frequency Range (F1-F2)	200 - 7500 Hz	N/A
THD at 500 Hz	< 1%	NA
800 Hz	< 1%	NA
1600 Hz	< 1.5%	< 1.5%
Equivalent Input Noise	< 23 dB	< 23 dB
Attack Time	10mS @ 2kHz*	6mS @ 2kHz*
Release Time	20mS @ 2kHz*	30mS @ 2kHz*
Battery Current Drain	0.84 mA	0.84 mA
Battery Life [312]*	210 Hrs	210 Hrs
Telecoil Sensitivity	87 dB SPL	94 dB SPL

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

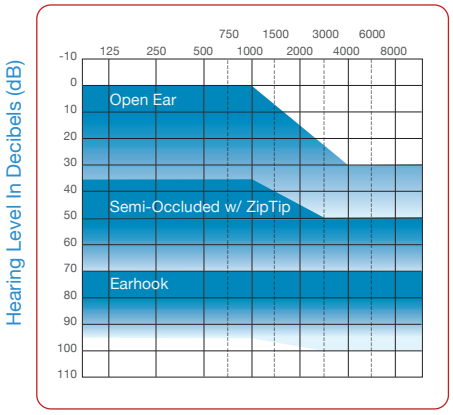
407.339.2422 | info@personamedical.com

SP_SOMBRA8R_3_20_rev- © PERSONA

SOMBRA

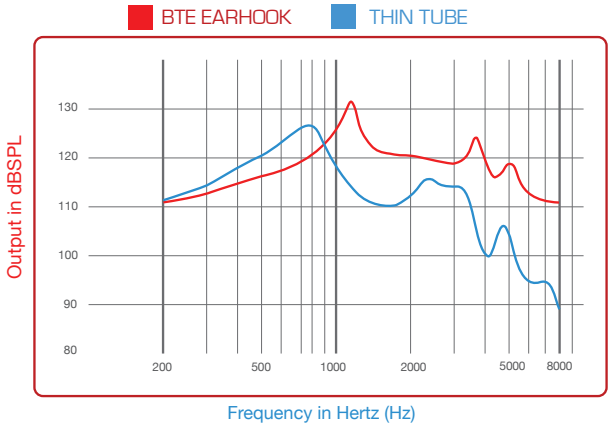
Sombra 8s series - Features

- Speech-Focus™ Null Tracking Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Feedback path eliminator
- Auto-Adaptation Feedback Shield™
- Adaptive telecoil switch
- Hydrocoat moisture barrier
- Environmental Classification Noise Reduction
- 128 Channels Noise Reduction
- 16 Band Frequency Programming Control
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual VC / Memory Change
- Speech Mapping Compatible w/ Graphic Equalizer
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Data Logging

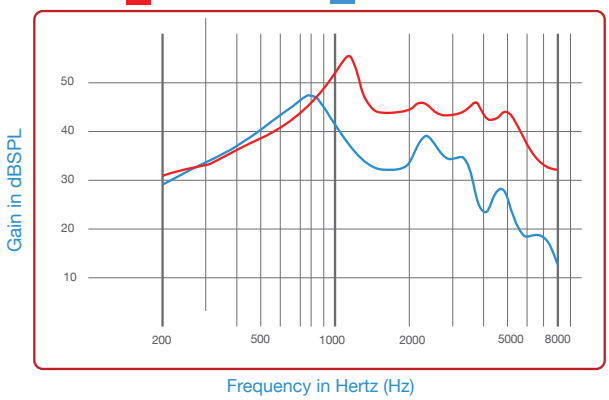


SOMBRA 8s	ANSI S3.22-2003 2CC Coupler Thin tube / Ear Hook	IEC-118-0 Ear Simulator Thin tube / Ear Hook
OSPL90 Maximum	125/132 dBSPL	132/138 dBSPL
OSPL90 @ 1600 Hz	N/A	122/130 dBSPL
HFAverage OSPL90	115/123 dBSPL	N/A
Peak Gain	62/63 dB	69/70 dB
HFA Full-On-Gain	55/55 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	63/63
Reference Test Gain	38/46 dB	N/A
R.T.G @ 1600 Hz	N/A	44/53 dB
Frequency Range (F1-F2)	200 - 7500 Hz	N/A
THD at 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 24/23 dB	< 24/23 dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	25mS @ 2kHz*	25mS @ 2kHz*
Battery Current Drain	0.78/0.83 mA	0.78/0.83 mA
Battery Life [312]*	215/210 Hrs	215/210 Hrs
Telecoil Sensitivity	96/105 dB SPL	103/112 dB SPL

OSPL90 CURVES



FREQUENCY RESPONSE CURVES



PERSONA® MEDICAL

407.339.2422 | info@personamedical.com

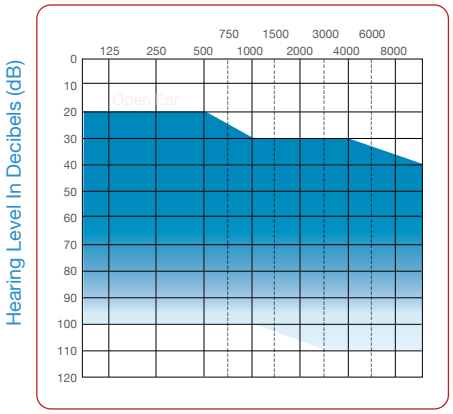
SP_SOMBRA8S_3_20_rev- © PERSONA

SOMBRA

Actual Size

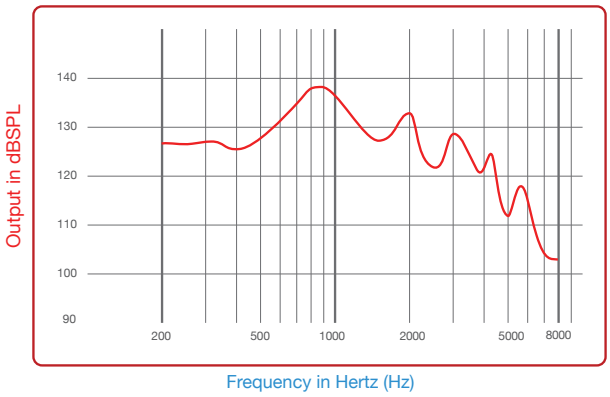
Sombra 8p series - Features

- Speech-Focus™ Null Tracking Directional Microphones
- ALL-IN-ONE™ Adaptive Speech Enhancement
- Feedback path eliminator
- Auto-Adaptation Feedback Shield™
- Adaptive telecoil switch
- Hydrocoat moisture barrier
- Environmental Classification Noise Reduction
- 128 Channels Noise Reduction
- 16 Band Frequency Programming Control
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual VC / Memory Change
- Speech Mapping Compatible w/ Graphic Equalizer
- Low Battery Indicator
- Wind Noise Reduction Algorithm
- NOAH / NOAH Link Compatible
- Data Logging

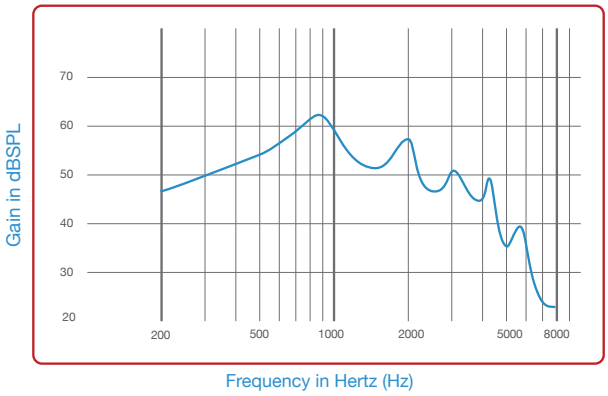


SOMBRA 8p	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	137 dBSPL	144 dBSPL
OSPL90 @ 1600 Hz	N/A	136 dBSPL
HFAverage OSPL90	129 dBSPL	N/A
Peak Gain	70 dB	77 dB
HFA Full-On-Gain	65 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	72 dB
Reference Test Gain	52 dB	N/A
R.T.G @ 1600 Hz	N/A	59 dB
Frequency Range (F1-F2)	200 - 7100 Hz	N/A
THD at 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 25 dB	< 25 dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	25mS @ 2kHz*	25mS @ 2kHz*
Battery Current Drain	1.25 mA	1.25 mA
Battery Life [13]*	220 Hrs	220 Hrs
Telecoil Sensitivity	115 dB SPL	123 dB SPL

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

407.339.2422 | info@personamedical.com

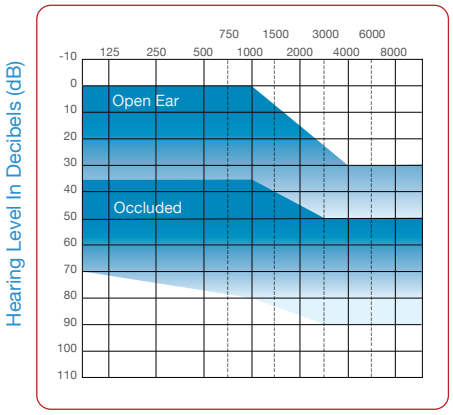
SP_SOMBRA8P_3_20_rev- © PERSONA

SOMBRA

Actual Size

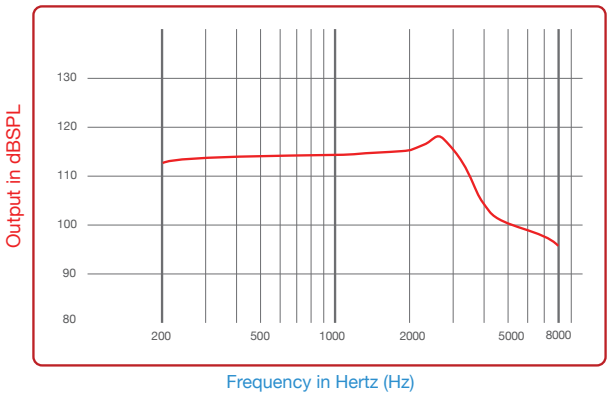
Sombra 4r series - Features

- Directional Microphones
- Speech Enhancement
- Feedback path eliminator
- Auto-Adaptation Feedback Shield™
- Telecoil
- Hydrocoat moisture barrier
- 64 Channels Noise Reduction
- 4 Band Programming Control
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual VC / Memory Change
- Speech Mapping Compatible w/ Graphic Equalizer
- Low Battery Indicator
- NOAH / NOAH Link Compatible
- Wax-blocking RU connector

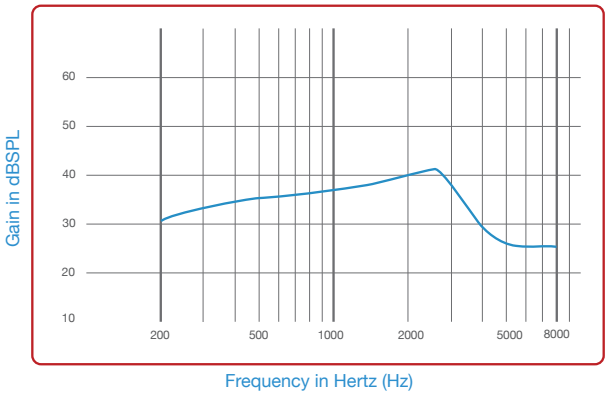


SOMBRA 4r	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	117 dBSPL	125 dBSPL
OSPL90 @ 1600 Hz	N/A	121 dBSPL
HFAverage OSPL90	113 dBSPL	N/A
Peak Gain	60 dB	68 dB
HFA Full-On-Gain	55 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	63
Reference Test Gain	35 dB	N/A
R.T.G @ 1600 Hz	N/A	43 dB
Frequency Range (F1-F2)	200 - 7500 Hz	N/A
THD at 500 Hz	< 1%	NA
800 Hz	< 1%	NA
1600 Hz	< 1.5%	< 1.5%
Equivalent Input Noise	< 23 dB	< 23 dB
Attack Time	10mS @ 2kHz*	6mS @ 2kHz*
Release Time	20mS @ 2kHz*	30mS @ 2kHz*
Battery Current Drain	0.84 mA	0.84 mA
Battery Life [312]*	210 Hrs	210 Hrs
Telecoil Sensitivity	87 dB SPL	94 dB SPL

OSPL90 CURVE



FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

407.339.2422 | info@personamedical.com

SP_SOMBRA4R_8_20_rev- © PERSONA

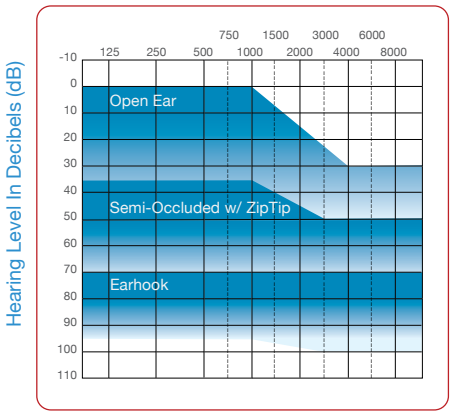
SOMBRA

SOMBRA 4s

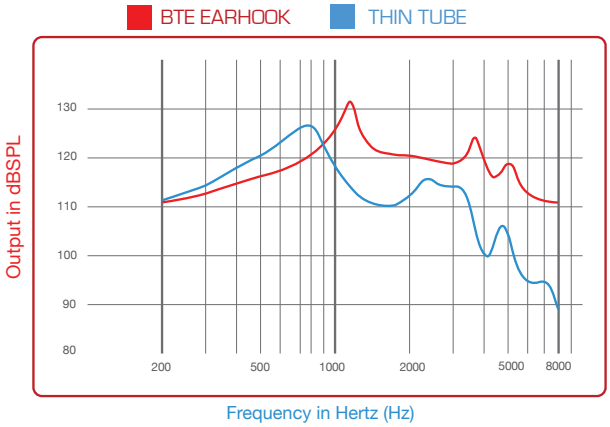
	ANSI S3.22-2003 2CC Coupler Thin tube / Ear Hook	IEC-118-0 Ear Simulator Thin tube / Ear Hook
OSPL90 Maximum	125/132 dBSPL	132/138 dBSPL
OSPL90 @ 1600 Hz	N/A	122/130 dBSPL
HFAverage OSPL90	115/123 dBSPL	N/A
Peak Gain	62/63 dB	69/70 dB
HFA Full-On-Gain	55/55 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	63/63
Reference Test Gain	38/46 dB	N/A
R.T.G @ 1600 Hz	N/A	44/53 dB
Frequency Range (F1-F2)	200 - 7500 Hz	N/A
THD at 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 24/23 dB	< 24/23 dB
Attack Time	10mS @ 2kHz*	10mS @ 2kHz*
Release Time	25mS @ 2kHz*	25mS @ 2kHz*
Battery Current Drain	0.78/0.83 mA	0.78/0.83 mA
Battery Life [312]*	215/210 Hrs	215/210 Hrs
Telecoil Sensitivity	96/105 dB SPL	103/112 dB SPL

Sombra 4s series - Features

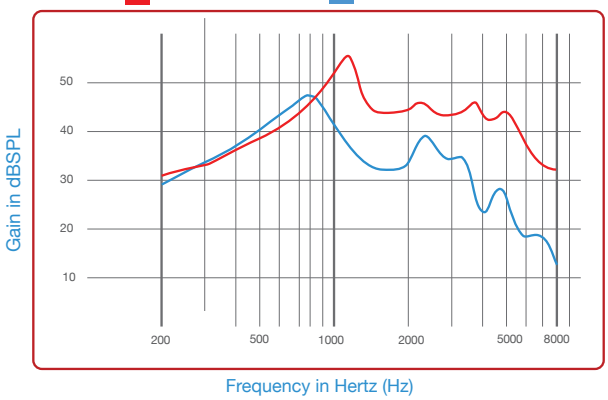
- Directional Microphones
- Speech Enhancement
- Feedback path eliminator
- Auto-Adaptation Feedback Shield™
- Telecoil
- Hydrocoat moisture barrier
- 64 Channels Noise Reduction
- 4 Band Frequency Programming Control
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Multi-function Manual VC / Memory Change
- Speech Mapping Compatible w/ Graphic Equalizer
- Low Battery Indicator
- NOAH / NOAH Link Compatible
- Adjustable turn-on delay



OSPL90 CURVES



FREQUENCY RESPONSE CURVES



PERSONA® MEDICAL

407.339.2422 | info@personamedical.com

SP_SOMBRA4S_8_20_rev- © PERSONA

SOMBRA

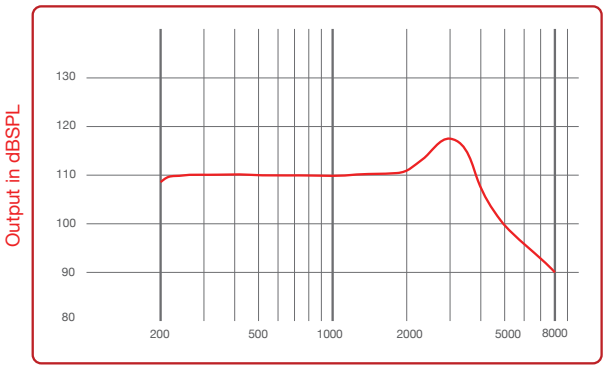
Actual Size

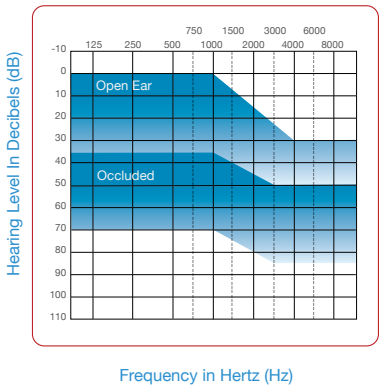
Sombra 4p series - Features

- Directional Microphones
- Speech Enhancement
- Feedback path eliminator
- Auto-Adaptation Feedback Shield™
- Telecoil
- Hydrocoat moisture barrier
- 64 Channels Noise Reduction
- 4 Band Programming Control
- Memory Change (4) Indicator - Adjustable Level & Frequency
- Speech Mapping Compatible w/ Graphic Equalizer
- Low Battery Indicator
- NOAH / NOAH Link Compatible
- Wax-blocking RU connectors
- Adjustable turn-on delay

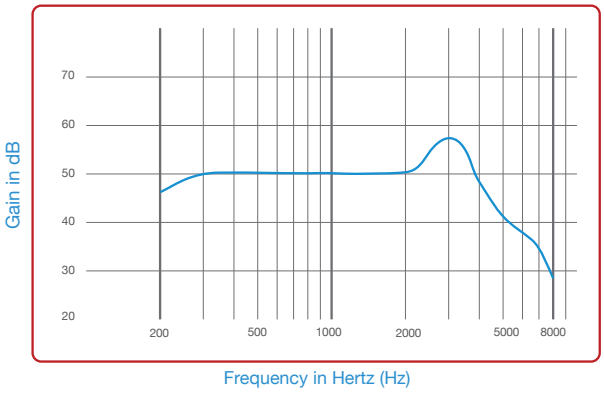
SOMBRA 4p	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	135 dBSPL	135 dBSPL
OSPL90 @ 1600 Hz	N/A	128dBSPL
HFAverage OSPL90	128 dBSPL	N/A
Peak Gain	74 dB	70 dB
HFA Full-On-Gain	68 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	64
Reference Test Gain	64 dB	N/A
R.T.G @ 1600 Hz	N/A	58 dB
Frequency Range (F1-F2)	100 - 8000 Hz	N/A
THD at 500 Hz	< 1%	N/A
800 Hz	< 1%	N/A
1600 Hz	< 1.5%	< 1.5%
Equivalent Input Noise	< 18 dB	< 18 dB
Attack Time	10mS @ 2kHz*	6mS @ 2kHz*
Release Time	15mS @ 2kHz*	30mS @ 2kHz*
Battery Current Drain	0.8 mA	0.8 mA
Battery Life [13]*	300 Hrs	300 Hrs
Telecoil Sensitivity	95 dB SPL	103 dB SPL

OSPL90 CURVE





FREQUENCY RESPONSE CURVE

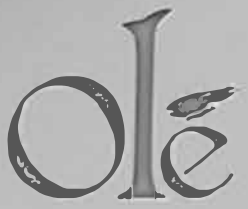


PERSONA® MEDICAL

407.339.2422 | info@personamedical.com

SP_SOMBRA4P_8_20_rev- © PERSONA

PERSONA®
MEDICAL



Invisible never looked so good™

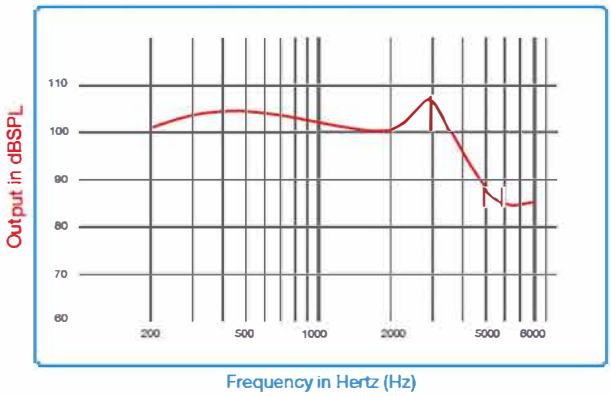
	ANSI S3.22-2003 1CC Coupler	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
OSPL90 Maximum	120 dBSPL	107 dBSPL	109 dBSPL
OSPL90 @ 1600 Hz	N/A	N/A	104 dBSPL
HFAverage OSPL90	116 dBSPL	103 dBSPL	N/A
Peak Gain	42 dB	32 dB	29 dB
HFA Full-On-Gain	37 dB	27 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	N/A	32 dB
Reference Test Gain	39 dB	26 dB	N/A
R.T.G @ 1600 Hz	N/A	N/A	31 dB
Frequency Range (F1-F2)	200 - 8000 Hz	200 - 8000 Hz	N/A
THD at 500 Hz	< 2%	< 2%	N/A
800 Hz	< 2%	< 2%	N/A
1600 Hz	< 2%	< 2%	< 2%
Equivalent Input Noise	< 25 dB	< 25 dB	< 25 dB
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*	8mS @ 2kHz*
Release Time	70mS @ 2kHz*	70mS @ 2kHz*	70mS @ 2kHz*
Battery Current Drain	0.75 mA	0.75 mA	0.78 mA
Battery Life [10A]	106 Hrs	106 Hrs	102 Hrs

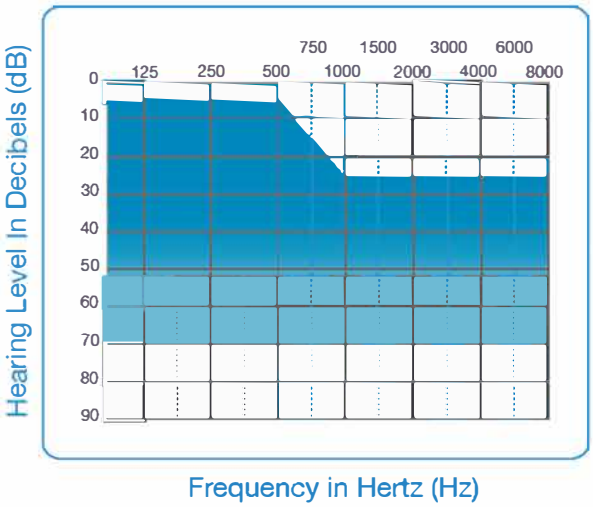
*AGC not fully activated

Features

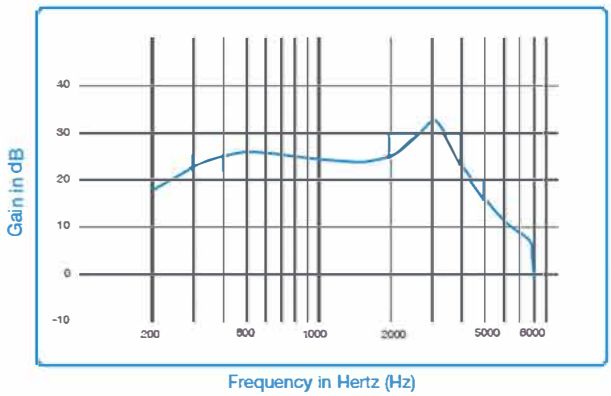
- Digital / Programmable
- Deep Fitting CIC 10A Device
- AirTouch™ Multi Memory
- 4 Programmable Memories
- Memory Change Indicator
- Low Battery Indicator
- Premier Feedback Shield™
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement
- 12 Band, 8 Channel Processing
- Adjustable Power on Delay
- Wax Barrier / Wind Screen
- Tinnitus Masker (Option)
- Low Group Delay - 5 ms
- SpeechPro (Option)
- NOAH Compatible
- Black Faceplate (Option)
- Digital Shell in Beige Only

OSPL90 CURVE





FREQUENCY RESPONSE CURVE



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

EVOK™

The sounds of life!

PERSONA®
MEDICAL

EVOK™

1600 Series

Actual Size

Features

- 16 bands, 16 channels processing
- Adaptive Directional Microphones
- Tri-Mode Layered Noise Reduction
- Memories - 4 manual push-button
- Dynamic Speech Enhancement
- Mem/Low Battery Voice Prompts
- Digital Volume Control w/ Max/Min Voice Prompts
- Volume/Memory Retention after Power Cycle
- Feedback Shield™
- Telecoil
- Wind Noise Suppression
- Hydrocoat™
- NOAH / NOAH Link Compatible
  Datalogging

Smart Phone APP Features

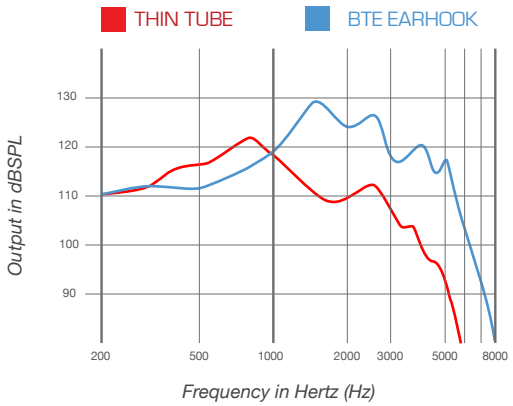
- Smartphone App (IOS / ANDROID)
- Bluetooth Rapid Updates BRU™
- Digital Volume Control
- Memory / Program Change / 4 Presets
- 6 band Equalizer / Bass Boost & Loudness Controls
- Companion Microphone (Optional)

PERSONA® MEDICAL

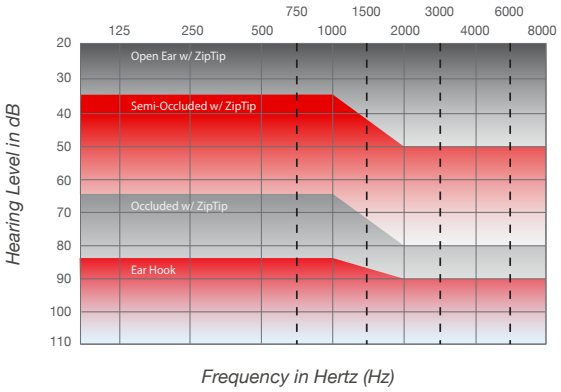
	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
	Thin Tube / **Earhook**	Thin Tube / **Earhook**
OSPL90 Maximum	122 / 129 dBSPL	129 / 136 dBSPL
OSPL90 @ 1600 Hz	112 / 123 dBSPL	N/A
HFAverage OSPL90	N/A	118 / 130 dBSPL
Peak Gain	57 / 68 dB	63 / 76 dB
HFA Full-On-Gain	52 / 60 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	58 / 70 dB
Reference Test Gain	36 / 47 dB	
R.T.G @ 1600 Hz		43 / 53 dB
Frequency Range (F1-F2)	200-6300 Hz	N/A
THD at 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 29/< 25 dBSPL	< 29/< 25 dBSPL
Tele-Coil Sensitivity	95 / 107 dBSPL	104 / 115 dBSPL
Attack Time	10 mS @ 2kHz	10 mS @ 2kHz
Release Time	70 mS @ 2kHz	70 mS @ 2kHz
Battery Current Drain	1.50/1.60 mA	1.50/1.60 mA
Battery Life [312]	100/95 hrs	100/95 hrs

*AGC not fully activated

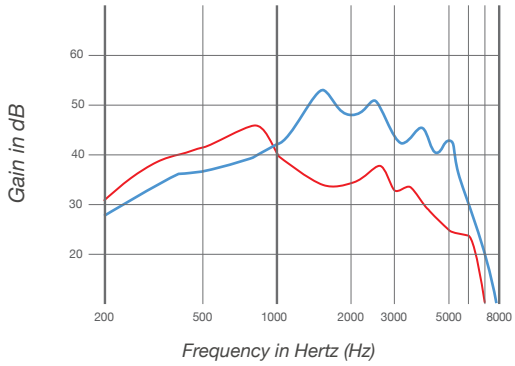
OSPL90 Curves



Fitting Range



Frequency Response Curves



800.789.6543 | info@personamedical.com

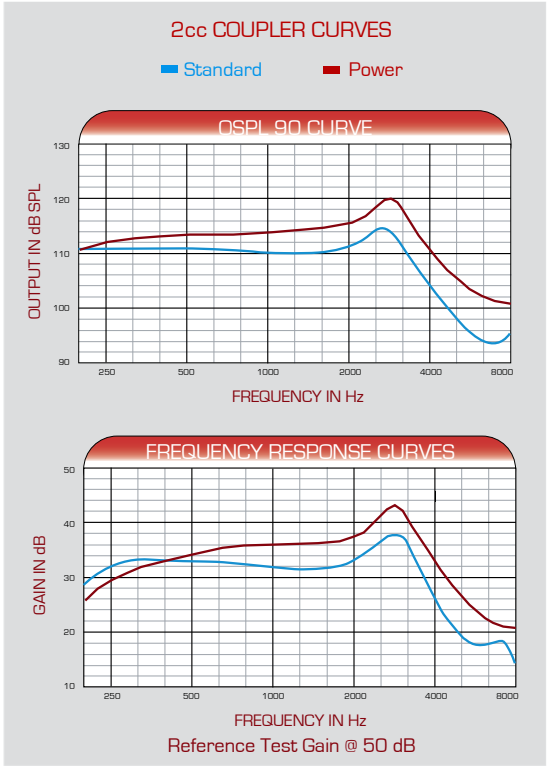
Sp_ev16_3_21

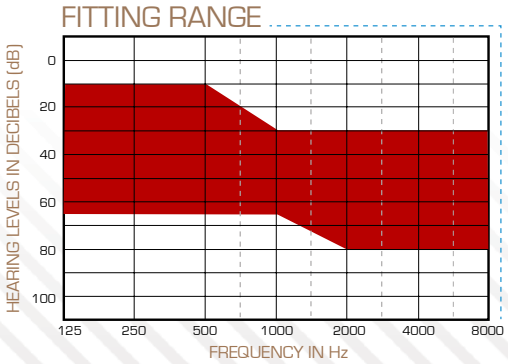
MINI CANAL AND CIC

EVOK 900 SPECIFICATIONS

Ear Simulator [IEC-118-0]*	Standard / Power	2cc Coupler [ANSI S3.22-1996]*	Standard / Power
OSPL90 Maximum	123/ 128 dBSPL	OSPL90 Maximum	115/ 120 dBSPL
OSPL90 @ 1600 Hz	118/ 123 dBSPL	HF Average OSPL90	110/ 115 dBSPL
Peak Gain	48/ 56 dB	Peak Gain	40/48 dB
Full-On-Gain @ 1600 Hz	43/51 dB	HFA Full-On-Gain	35/ 43 dB
R.T.G @ 1600 Hz	41/46 dB	Reference Test Grain	33/ 38 dB
Frequency Range: f1-f2	200-8000 Hz	Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%	THD at 500 Hz	< 3%
800 Hz	< 3%	800 Hz	< 3%
1600 Hz	< 3%	1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL	Eq. Input Noise Level	< 26 dBSPL
Attack Time	6 mS @ 2kHz	Attack Time	6 mS @ 2kHz
Release Time	30 mS @ 2kHz	Release Time	30 mS @ 2kHz
Battery Current Drain	0.95/ 1.2mA	Battery Current Drain	0.95/ 1.2 mA
Battery Life [10A]	84/ 66 hrs	Battery Life [10A]	84/ 66 hrs

*Test Settings Provided Upon Request





- Speech-Pro™ Auto Fit (Optional)
- Data Logging
- Feedback Shield™
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- Power Matrix (Optional)
- Digital Volume Control (Mini Canal Only)
- SSVC w/ Enhanced Taper Control (Optional)
- 12 Bands, 8 Bands
- 4 Programmable Memories
- Memory Change Indicator w/ Adjustable Level and Frequency
- Low Battery Indicator
- Power on Delay w/ Adjustable Level
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

EVOK

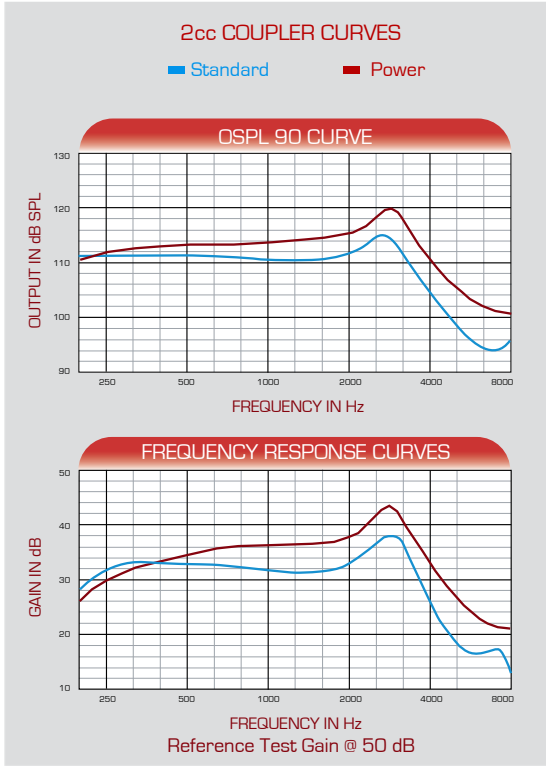
PERSONA MEDICAL

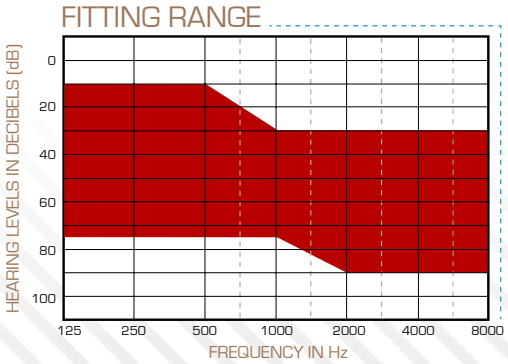
HALF SHELL AND CANAL

EVOK 900 SPECIFICATIONS

Ear Simulator [IEC-118-0]*	Standard/ Power	2cc Coupler [ANSI S3.22-1996]*	Standard/ Power
OSPL90 Maximum	123/ 128 dBSPL	OSPL90 Maximum	115/ 120 dBSPL
OSPL90 @ 1600 Hz	118/ 123 dBSPL	HF Average OSPL90	110/ 115dBSPL
Peak Gain	58/ 66 dB	Peak Gain	50/ 58 dB
Full-On-Gain @ 1600 Hz	52/ 60 dB	HFA Full-On-Gain	45/ 53 dB
R.T.G @ 1600 Hz	41/ 46 dB	Reference Test Grain	33/ 38 dB
Frequency Range: f1-f2	200-8000 Hz	Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%	THD at 500 Hz	< 3%
800 Hz	< 3%	800 Hz	< 3%
1600 Hz	< 3%	1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL	Eq. Input Noise Level	< 26 dBSPL
Attack / Release Time	6 / 30 mS @ 2kHz	Attack / Release Time	6 / 30 mS @ 2kHz
Tele-Coil Sensitivity	100/ 105 dBSPL	Tele-Coil Sensitivity	93/ 98 dBSPL
Battery Current Drain	0.95/ 1.2 mA	Battery Current Drain	0.95/ 1.2 mA
Battery Life [312A]	160/ 126 hrs	Battery Life [312A]	160/ 126 hrs

*Test Settings Provided Upon Request





- Speech-Pro™ Auto Fit (Optional)
- Data Logging
- Focus-Mic System™ (Optional)
- Feedback Shield™
- Power Matrix (Optional)
- Telesolutions™ (Optional)
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- Digital Volume Control
- VC w/ Enhanced Taper Control (Optional)
- 12 Bands, 8 Channels
- 4 Programmable Memories
- Memory Change Indicator w/ Adjustable Level and Frequency
- Low Battery Indicator
- Power on Delay w/ Adjustable Level
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

EVOK™

PERSONA MEDICAL

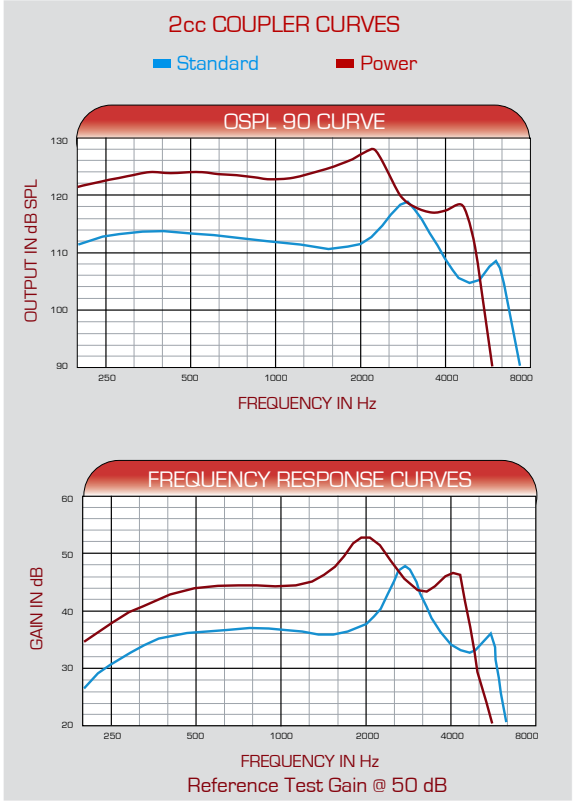
FULL SHELL

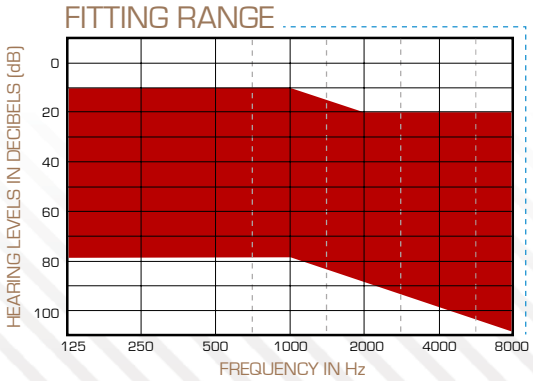
EVŌK 900 SPECIFICATIONS

Ear Simulator [IEC-118-0]*	Standard / Power
OSPL90 Maximum	128/ 138 dBSPL
OSPL90 @ 1600 Hz	123/ 132 dBSPL
Peak Gain	63/ 72 dB
Full-On-Gain @ 1600 Hz	58/ 68 dB
R.T.G @ 1600 Hz	46/ 55 dB
Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%
800 Hz	< 3%
1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL
Attack / Release Time	6 / 30 mS @ 2kHz
Tele-Coil Sensitivity	106/ 115 dBSPL
Battery Current Drain	0.95/ 1.5mA
Battery Life [13]	284/ 180 hrs

2cc Coupler [ANSI S3.22-1996]*	Standard / Power
OSPL90 Maximum	120/ 130 dBSPL
HF Average OSPL90	115/ 124dBSPL
Peak Gain	55/65 dB
HFA Full-On-Gain	50/ 60 dB
Reference Test Grain	38/ 47 dB
Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%
800 Hz	< 3%
1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL
Attack / Release Time	6 / 30 mS @ 2kHz
Tele-Coil Sensitivity	98/ 107 dBSPL
Battery Current Drain	0.95/ 1.5 mA
Battery Life [13]	284/ 180 hrs

*Test Settings Provided Upon Request





- Speech-Pro™ Auto Fit (Optional)
- Data Logging
- Focus-Mic System™ (Optional)
- Telesolutions™ (Optional)
- Power Matrix (Optional) and Rechargeable (Optional)
- Feedback Shield™
- Digital Volume Control
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- VC w/ Enhanced Taper Control (Optional)
- 12 Bands, 8 Channels
- 4 Programmable Memories
- Memory Change Indicator w/ Adjustable Level and Frequency
- Low Battery Indicator
- Power on Delay w/ Adjustable Level
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

PERSONA MEDICAL

EVOK™

800 Series

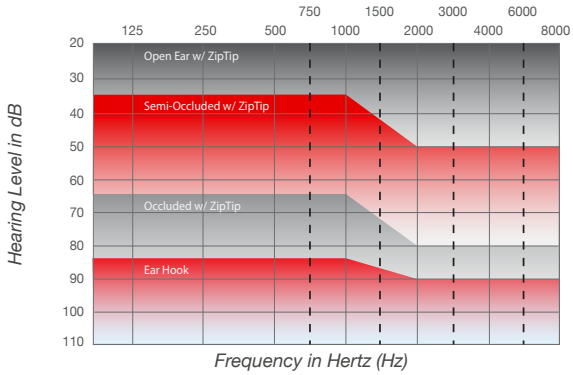
Features

- Digital / Programmable
- Adaptive Directional Microphones
- Telecoil
- Hydrocoat
- Digital Volume Control
- Multi Memory Push Button
- Volume/Memory Retention VMR™ after Power Cycle
- Feedback Shield™
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Bands, 8 Channels
- 4 Programmable Memories
- Memory Change Indicator w/ Adj Level/Freq
- Low Battery Indicator
- Voice Prompts
- NOAH / NOAH Link Compatible
- Speech-Pro™ Auto Fit
- Datalogging

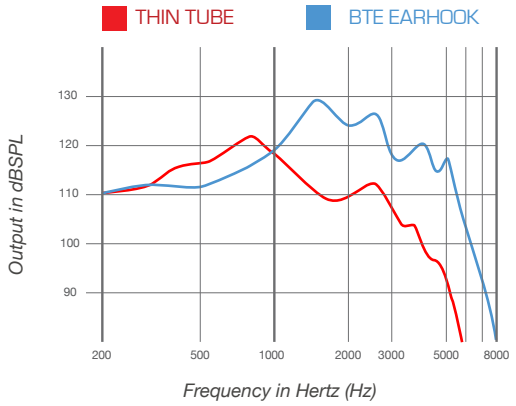
	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
	Thin Tube / **Earhook**	Thin Tube / **Earhook**
OSPL90 Maximum	122 / 129 dBSPL	129 / 136 dBSPL
OSPL90 @ 1600 Hz	112 / 123 dBSPL	N/A
HFAverage OSPL90	N/A	118 / 130 dBSPL
Peak Gain	57 / 68 dB	63 / 76 dB
HFA Full-On-Gain	52 / 60 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	58 / 70 dB
Reference Test Gain	36 / 47 dB	
R.T.G @ 1600 Hz		43 / 53 dB
Frequency Range (F1-F2)	200-6300 Hz	N/A
THD at 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 25 dBSPL	< 25 dBSPL
Tele-Coil Sensitivity	95 / 107 dBSPL	104 / 115 dBSPL
Attack Time	10 mS @ 2kHz	10 mS @ 2kHz
Release Time	70 mS @ 2kHz	70 mS @ 2kHz
Battery Current Drain	0.95 mA	1.00 mA
Battery Life [312]	165 hrs	160 hrs

*AGC not fully activated

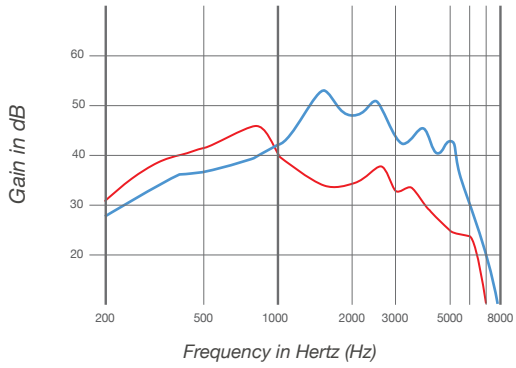
Fitting Range



OSPL90 Curves



Frequency Response Curves

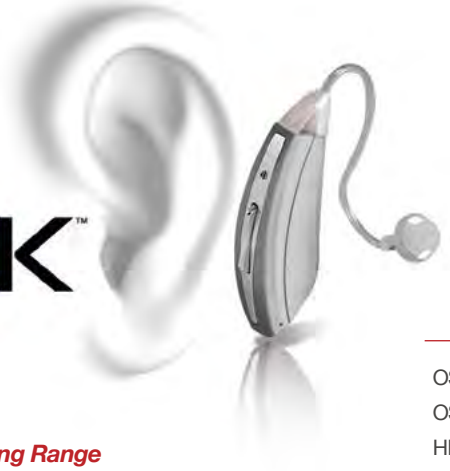


PERSONA® MEDICAL

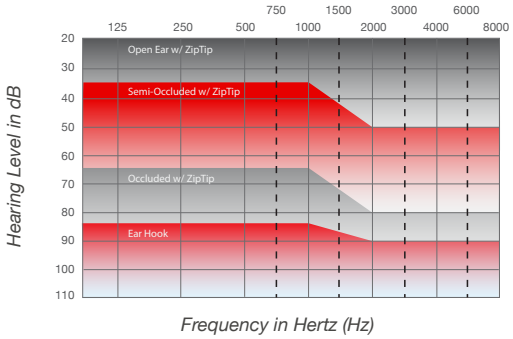
800.789.6543 | info@personamedical.com 6/2016

EVOK™

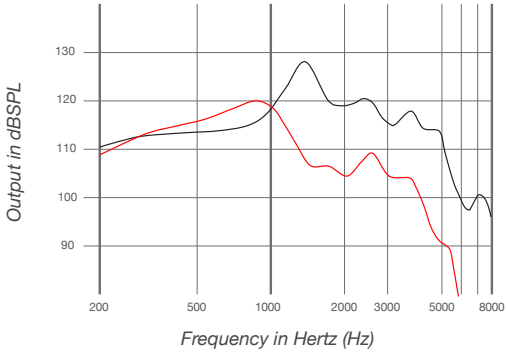
500 Series Open Ear



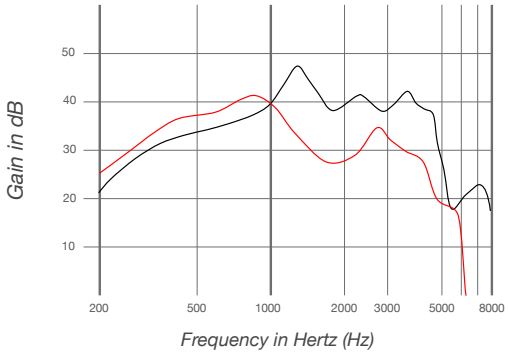
Fitting Range



OSPL90 Curves



Frequency Response Curves



	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
	Thin Tube / Earhook	Thin Tube / Earhook
OSPL90 Maximum	120 / 127 dBSPL	127 / 134 dBSPL
OSPL90 @ 1600 Hz	N/A	116 / 128 dBSPL
HFAverage OSPL90	108 / 119 dBSPL	N/A
Peak Gain	55 / 70 dB	62 / 78 dB
HFA Full-On-Gain	50 / 62 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	56 / 68 dB
Reference Test Gain	31 / 42 dB	N/A
R.T.G @ 1600 Hz	N/A	38 / 48 dB
Frequency Range (F1-F2)	200-5500 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 3%	N/A
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 27 / < 25 dB	< 27 / < 25 dB
Tele-Coil Sensitivity	91 / 102 dBSPL	99 / 110 dBSPL
Attack Time	10 mS @ 2kHz*	10 mS @ 2kHz*
Release Time	70 mS @ 2kHz*	70 mS @ 2kHz*
Battery Current Drain	.78 / .82 mA	.78 / .82 mA
Battery Life [312]	194 / 185Hrs	194 / 185Hrs

*AGC not fully activated

Features

- 100% Digital Processing Device
- 2 Channels
- 12 Band Equalizer
- Feedback Shield
- Dynamic Speech Enhancement: (DSE)
- Noise Reduction
- Multi-function Digital Rocker: Volume / Memory
- 4 Memories w/ Indicators
- Tone/Level Adjustments
- Tele Coil
- Hydroguard™
- Low Battery Warning w/indicator
- Mini BTE High Impact Case
- Battery 312 Zinc Air
- OTE Tube / BTE Earhook Compatible
- Speech Mapping Compatible w/ Graphic Equalizer Controls

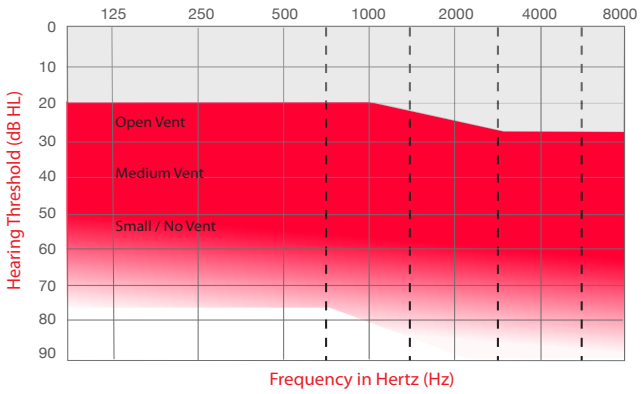
PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

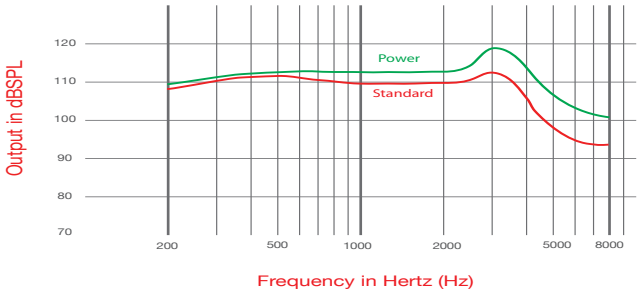
EVOK

500 Series CIC

Fitting Range

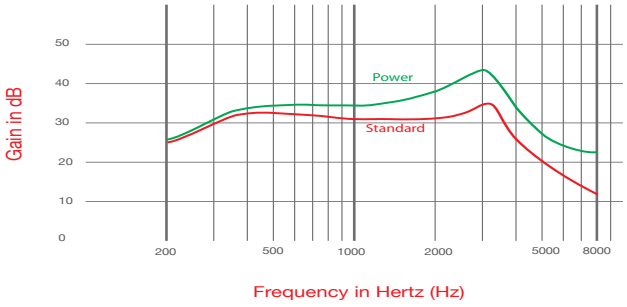


OSPL90 Curves



FREQUENCY RESPONSE CURVE

60 dB SPL input at RTG



	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
OSPL90 Maximum	115/120 dBSPL	123/128 dBSPL
OSPL90 @ 1600 Hz	N/A	118/123 dBSPL
HFAverage OSPL90	110/115 dBSPL	N/A
Peak Gain	40/48 dB	48/56 dB
HFA Full-On-Gain	35/43 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	43/51 dB
Reference Test Gain	33/38 dB	N/A
R.T.G @ 1600 Hz	N/A	41/46 dB
Frequency Range (F1-F2)	200 - 8000 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 3%	N/A
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 26 dB SPL	< 26 dB SPL
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*
Release Time	30mS @ 2kHz*	30mS @ 2kHz*
Battery Current Drain	.95/1.2 mA	.95/1.2 mA
Battery Life [10a]	84/65 Hrs	84/65 Hrs

*AGC not fully activated

Features:

- Feedback Shield
- Enhanced Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Band, 2 Channel Processing
- 4 Programmable Memories
- Memory Change Indicator w/Adjustable Level & Frequency
- Low Battery Indicator
- Wax Barrier/Wind Screen
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

Options:

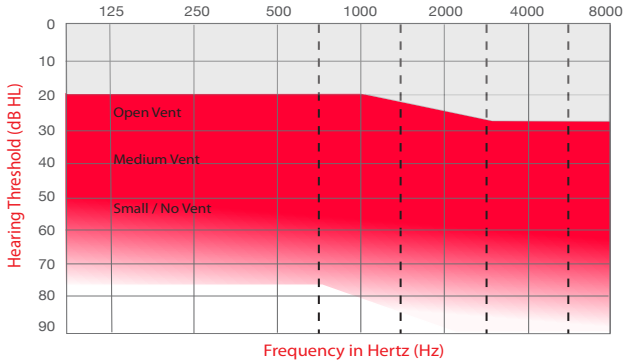
- SSVC with Enhanced Taper Control
- Speech Pro Auto Fit
- Power Matrix

PERSONA® MEDICAL

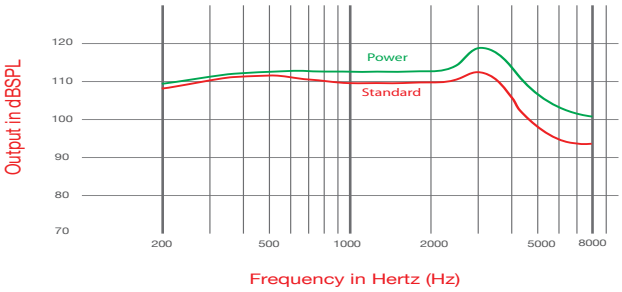
800.789.6543 | info@personamedical.com

500 Series Mini Canal

Fitting Range

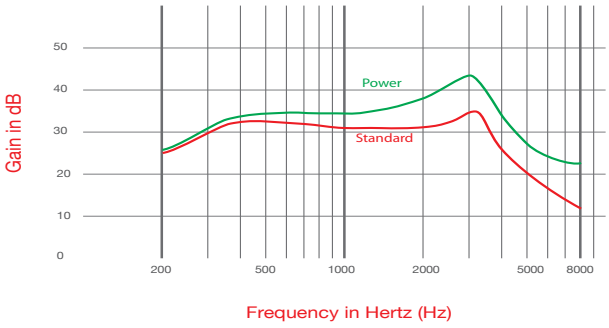


OSPL90 Curves



FREQUENCY RESPONSE CURVE

60 dB SPL input at RTG



		ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
OSPL90 Maximum		115/120 dBSPL	123/128 dBSPL
OSPL90 @ 1600 Hz		N/A	118/123 dBSPL
HFAverage OSPL90		110/115 dBSPL	N/A
Peak Gain		40/48 dB	48/56 dB
HFA Full-On-Gain		35/43dB	N/A
Full-On-Gain @ 1600 Hz		N/A	43/51 dB
Reference Test Gain		33/38 dB	N/A
R.T.G @ 1600 Hz		N/A	41/46 dB
Frequency Range (F1-F2)		200 - 8000 Hz	N/A
THD at	500 Hz	< 3%	N/A
	800 Hz	< 3%	N/A
	1600 Hz	< 3%	< 3%
Equivalent Input Noise		< 26 dB SPL	< 26 dB SPL
Attack Time		6mS @ 2kHz*	6mS @ 2kHz*
Release Time		30mS @ 2kHz*	30mS @ 2kHz*
Battery Current Drain		.95/1.2 mA	.95/1.2 mA
Battery Life [10a]		84/65 Hrs	84/65 Hrs

*AGC not fully activated

Features:

- Manual VC w/ Enhanced Taper Control
- Feedback Shield
- Enhanced Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Band, 2 Channel Processing
- 4 Programmable Memories
- Memory Change Indicator w/Adjustable Level & Frequency
- Low Battery Indicator
- Wax Barrier/Wind Screen
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

Options:

- Programmable Volume Control
- SSVC with Enhanced Taper Control
- Multi Memory Push Button
- Speech Pro Auto Fit
- Power Matix

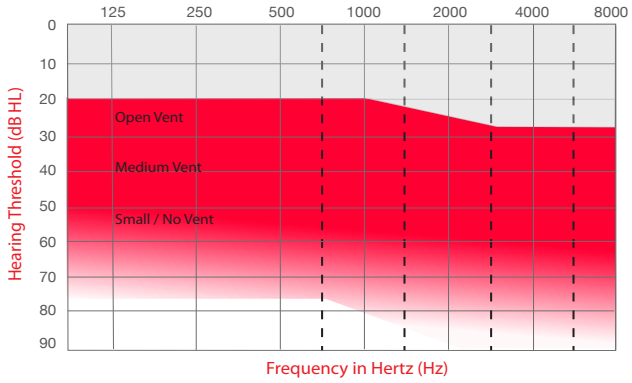
PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

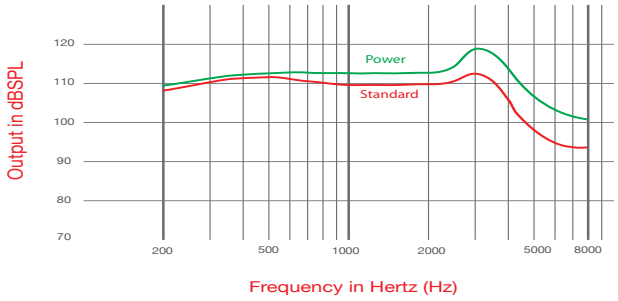
EVōK™

500 Series Canal

Fitting Range

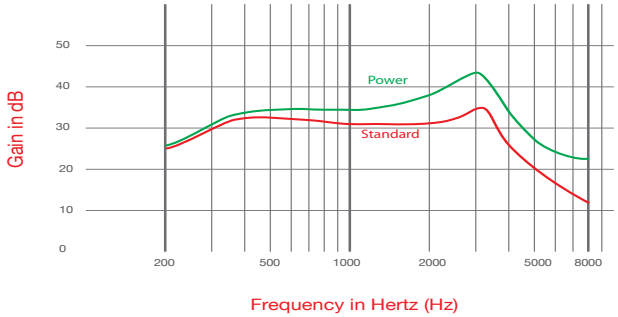


OSPL90 Curves



FREQUENCY RESPONSE CURVE

60 dB SPL input at RTG



	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
OSPL90 Maximum	115/120 dBSPL	123/128 dBSPL
OSPL90 @ 1600 Hz	N/A	118/123 dBSPL
HFAverage OSPL90	110/115 dBSPL	N/A
Peak Gain	50/58 dB	58/66 dB
HFA Full-On-Gain	45/53 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	43/51 dB
Reference Test Gain	33/38 dB	N/A
R.T.G @ 1600 Hz	N/A	41/46 dB
Frequency Range (F1-F2)	200 - 8000 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 3%	N/A
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 26 dB SPL	< 26 dB SPL
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*
Release Time	30mS @ 2kHz*	30mS @ 2kHz*
Telephone Coil Sensitivity (SPLITS)	93/98 dB SPL	100/105 dB SPL
Battery Current Drain	.95/1.2 mA	.95/1.2 mA
Battery Life [312]	160/126 Hrs	160/126 Hrs

*AGC not fully activated

Features:

- Manual VC w/ Enhanced Taper Control
- Feedback Shield
- Enhanced Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Band, 2 Channel Processing
- 4 Programmable Memories
- Memory Change Indicator w/Adjustable Level & Frequency
- Low Battery Indicator
- Wax Barrier/Wind Screen
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

Options:

- Programmable Volume Control
- Auto Telecoil
- SSVC with Enhanced Taper Control
- Multi Memory Push Button
- Speech Pro Auto Fit
- Power Matrix

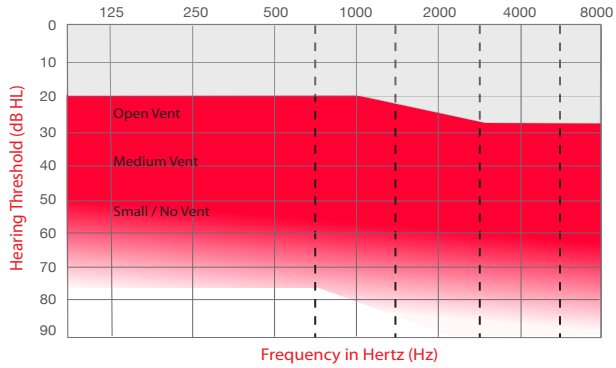
PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

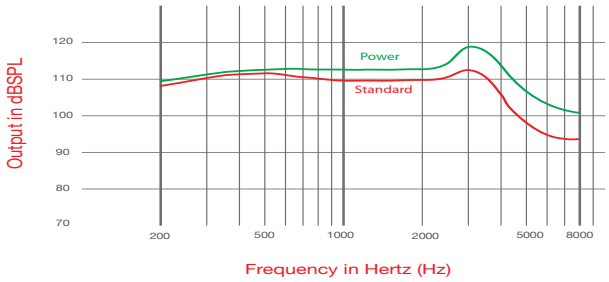
EVOK

500 Series Half Shell

Fitting Range

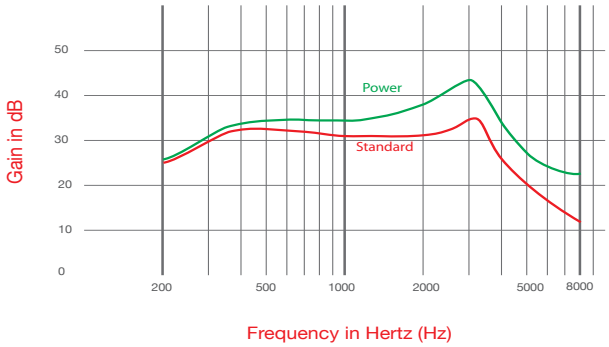


OSPL90 Curves



FREQUENCY RESPONSE CURVE

60 dB SPL input at RTG



	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
OSPL90 Maximum	115/120 dBSPL	123/128 dBSPL
OSPL90 @ 1600 Hz	N/A	118/123 dBSPL
HFAverage OSPL90	110/115 dBSPL	N/A
Peak Gain	50/58 dB	58/66 dB
HFA Full-On-Gain	45/53 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	43/51 dB
Reference Test Gain	33/38 dB	N/A
R.T.G @ 1600 Hz	N/A	41/46 dB
Frequency Range (F1-F2)	200 - 8000 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 3%	N/A
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 26 dB SPL	< 26 dB SPL
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*
Release Time	30mS @ 2kHz*	30mS @ 2kHz*
Telephone Coil Sensitivity (SPLITS)	93/98 dB SPL	100/105 dB SPL
Battery Current Drain	.95/1.2 mA	.95/1.2 mA
Battery Life [312]	160/126 Hrs	160/126 Hrs

*AGC not fully activated

Features:

- Manual VC w/ Enhanced Taper Control
- Feedback Shield
- Enhanced Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Band, 2 Channel Processing
- 4 Programmable Memories
- Memory Change Indicator w/Adjustable Level & Frequency
- Low Battery Indicator
- Wax Barrier/Wind Screen
- Speech Mapping Compatible w/ Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

Options:

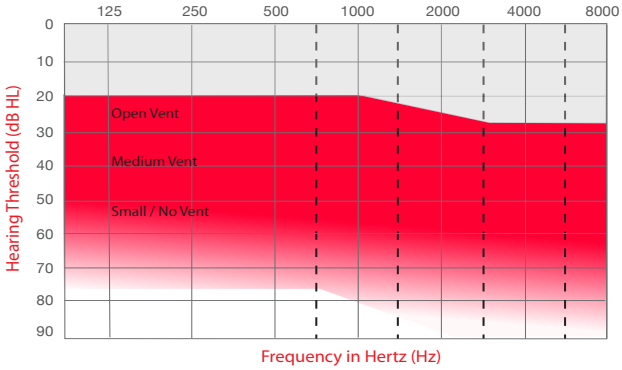
- Programmable Volume Control
- Auto Telecoil
- SSVC with Enhanced Taper Control
- Multi Memory Push Button
- Speech Pro Auto Fit
- Power Matrix
- Directional Microphones

PERSONA® MEDICAL

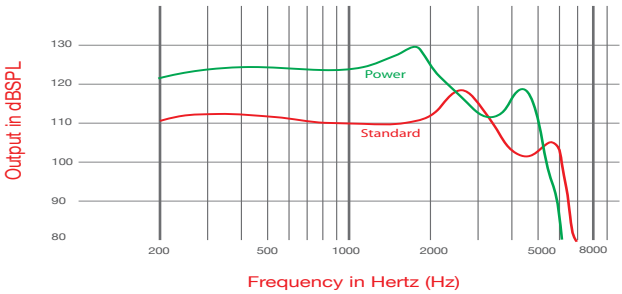
800.789.6543 | info@personamedical.com

500 Series Full Shell

Fitting Range

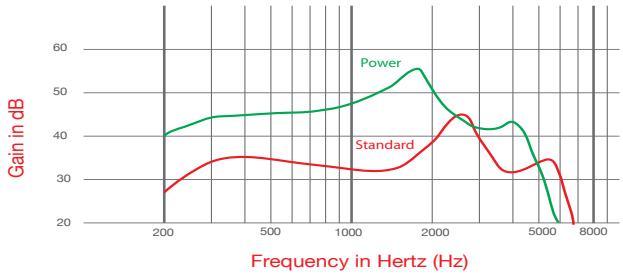


OSPL90 Curves



FREQUENCY RESPONSE CURVE

60 dB SPL input at RTG



	ANSI S3.22-2003 2CC Coupler *Standard/Power*	IEC-118-0 Ear Simulator *Standard/Power*
OSPL90 Maximum	120/130 dBSPL	128/138 dBSPL
OSPL90 @ 1600 Hz	N/A	123/132 dBSPL
HFAverage OSPL90	115/124 dBSPL	N/A
Peak Gain	55/65 dB	63/72 dB
HFA Full-On-Gain	50/60 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	58/68 dB
Reference Test Gain	38/47 dB	N/A
R.T.G @ 1600 Hz	N/A	46/55 dB
Frequency Range (F1-F2)	200 - 8000 Hz	N/A
THD at 500 Hz	< 3%	N/A
800 Hz	< 3%	N/A
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 26 dB SPL	< 26 dB SPL
Attack Time	6mS @ 2kHz*	6mS @ 2kHz*
Release Time	30mS @ 2kHz*	30mS @ 2kHz*
Telephone Coil Sensitivity (SPLITS)	98/107 dB SPL	106/115 dB SPL
Battery Current Drain	.95/1.2 mA	.95/1.2 mA
Battery Life [13]	284/180 Hrs	284/180 Hrs

Rechargeable.....8Hrs Charge yields 16Hrs Use

*AGC not fully activated

Features:

- Manual VC w/ Enhanced Taper Control
- Feedback Shield
- Enhanced Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Band, 2 Channel Processing
- 4 Programmable Memories
- Memory Change Indicator w/Adjustable Level & Frequency
- Low Battery Indicator
- Wax Barrier/Wind Screen
- Speech Mapping Compatible w/Graphic Equalizer Controls
- NOAH Compatible
- 3D LazerVeyor Digital Shell Process

Options:

- Programmable Volume Control
- SSVC with Enhanced Taper Control
- Speech Pro Auto Fit
- Power Matrix
- Auto Telecoil
- Directional Microphone
- Rechargeable

PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

EVOK™

400 Series

Actual Size

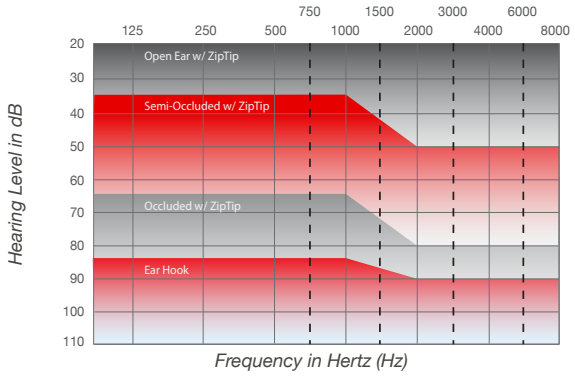
Features

- Digital / Programmable
- Telecoil
- Hydrocoat
- Digital Volume Control w/ Audible Max/Min
- Multi Memory Push Button
- Volume / Memory Retention after Power Cycle
- Feedback Shield™
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement (DSE)
- 12 Bands, 4 Channels
- 4 Programmable Memories
- Memory Change Indicator w/ Adj Level/Freq
- Low Battery Indicator
- NOAH / NOAH Link Compatible
- Speech-Pro™ Auto Fit

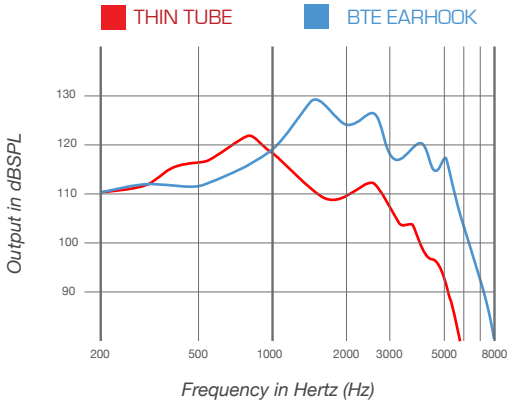
	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
	Thin Tube / **Earhook**	Thin Tube / **Earhook**
OSPL90 Maximum	122 / 129 dBSPL	129 / 136 dBSPL
OSPL90 @ 1600 Hz	112 / 123 dBSPL	N/A
HFAverage OSPL90	N/A	118 / 130 dBSPL
Peak Gain	57 / 68 dB	63 / 76 dB
HFA Full-On-Gain	52 / 60 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	58 / 70 dB
Reference Test Gain	36 / 47 dB	
R.T.G @ 1600 Hz		43 / 53 dB
Frequency Range (F1-F2)	200-6300 Hz	N/A
THD at 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 25 dBSPL	< 25 dBSPL
Tele-Coil Sensitivity	95 / 107 dBSPL	104 / 115 dBSPL
Attack Time	10 mS @ 2kHz	10 mS @ 2kHz
Release Time	70 mS @ 2kHz	70 mS @ 2kHz
Battery Current Drain	0.95 mA	1.00 mA
Battery Life [312]	165 hrs	160 hrs

*AGC not fully activated

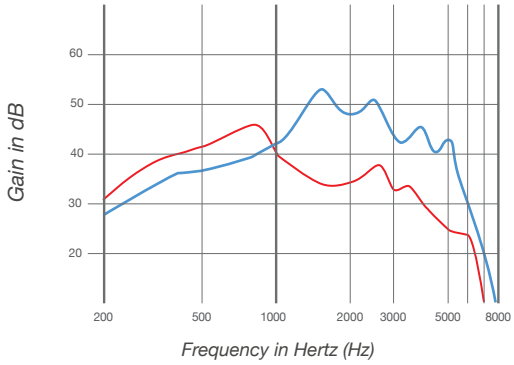
Fitting Range



OSPL90 Curves



Frequency Response Curves



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com 6/2016

Claret™

PERSONA® MEDICAL

Claret™

365 Series

Actual Size

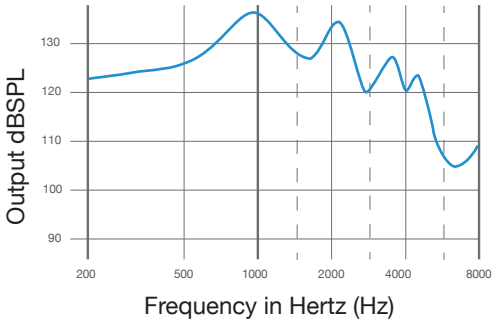
Features

- Digital / Non-Programmable
- 3 Memories (Mic,Noise,Telecoil)
- Manual Volume Control
- Enhanced Taper Control
- Microphone Noise Expansion
- Dynamic Speech Enhancement (DSE)
- 12 Bands, 2 Channels Processing
- Standard 2 trimmers w/ linear taper
- Telecoil
- Memory Change Indicator
- Low Battery Indicator
- AGC-O Limiting
- Hydrocoat moisture barrier (option)

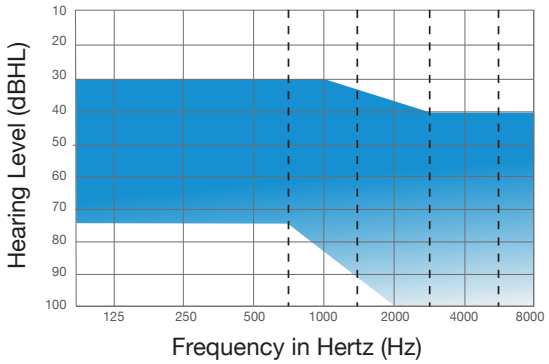
	ANSI S3.22-2003 2CC Coupler Earhook	IEC-118-0 Ear Simulator Earhook
OSPL90 Maximum	137 dBSPL	145 dBSPL
OSPL90 @ 1600 Hz	N/A	137 dBSPL
HFAverage OSPL90	130 dBSPL	N/A
Peak Gain	78 dB	86 dB
HFA Full-On-Gain	72 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	80 dB
Reference Test Gain	54dB	N/A
R.T.G @ 1600 Hz	N/A	60 dB
Frequency Range (F1-F2)	200-4100 Hz	N/A
THD at 500 Hz	< 2%	< 2%
800 Hz	< 2%	< 2%
1600 Hz	< 2%	< 2%
Equivalent Input Noise	< 22 dB	< 22 dB
Tele-Coil Sensitivity	105 dBSPL	111 dBSPL
Attack Time	10 mS @ 2kHz*	10 mS @ 2kHz*
Release Time	50 mS @ 2kHz*	50 mS @ 2kHz*
Battery Current Drain	1.97 mA	1.97 mA
Battery Life [675]	300 hrs	300 hrs

*AGC not fully activated

OSPL90 Curves

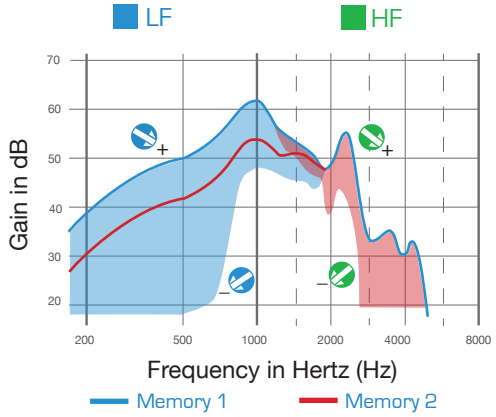


Fitting Range



Trimmer ID

Gain Curves (RTG @ 60dB in)



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com

SPCL/365 /4 © 2017 PERSONA

Claret™

400 Series &
450 Series

Actual Size

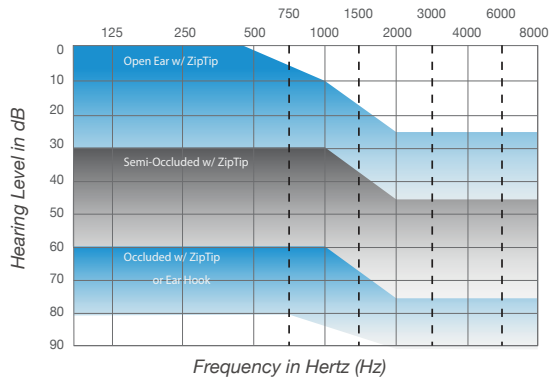
Features

- Digital / Non-Programmable
- Hydrocoat
- Digital Volume Control w/Audible Max/Min
- Volume/Memory Retention VMR™ after Power Cycle
- Feedback Shield™
- Tri-Mode Layered Noise Reduction
- Dynamic Speech Enhancement
- 12 Bands, 4 Channels Processing
- Memories 1-3 (6dB / Octave increments)
- Telecoil Option (Claret450; Memory4)
- Memory Change Indicator
- Low Battery Indicator
- Thin tube or Earhook

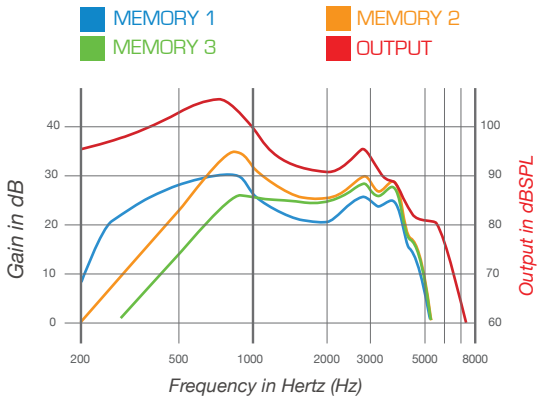
	ANSI S3.22-2003 2CC Coupler	IEC-118-0 Ear Simulator
	Thin Tube / Earhook	Thin Tube / Earhook
OSPL90 Maximum	106 / 112 dBSPL	113 / 119 dBSPL
OSPL90 @ 1600 Hz	N/A	104 / 113 dBSPL
HFAverage OSPL90	97 / 106 dBSPL	N/A
Peak Gain	36 / 45 dB	43 / 52 dB
HFA Full-On-Gain	30 / 39 dB	N/A
Full-On-Gain @ 1600 Hz	N/A	37 / 46 dB
Reference Test Gain	20 / 29 dB	
R.T.G @ 1600 Hz		27 / 36 dB
Frequency Range (F1-F2)	200-6300 Hz	N/A
THD at 500 Hz	< 3%	< 3%
800 Hz	< 3%	< 3%
1600 Hz	< 3%	< 3%
Equivalent Input Noise	< 29 / < 27 dBSPL	< 25 / < 27 dBSPL
Tele-Coil Sensitivity	85 / 93 dBSPL	92 / 100 dBSPL
Attack Time	10 mS @ 2kHz	10 mS @ 2kHz
Release Time	70 mS @ 2kHz	70 mS @ 2kHz
Battery Current Drain	0.82 mA	0.82 mA
Battery Life [312]	195 hrs	195 hrs

*AGC not fully activated

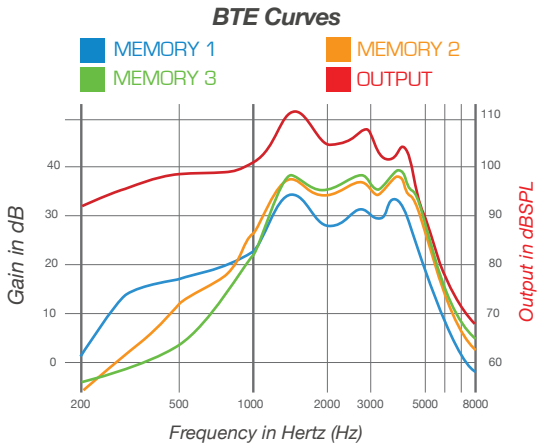
Fitting Range



ThinTube Curves



BTE Curves



PERSONA® MEDICAL

800.789.6543 | info@personamedical.com 8/2016

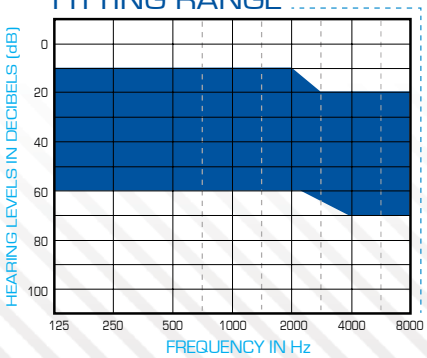
MINI CANAL AND CIC

Claret™ 300 SPECIFICATIONS

Ear Simulator [IEC-118-0]*	Standard / Power	2cc Coupler [ANSI S3.22-1996]*	Standard / Power
OSPL90 Maximum	122 / 128 dBSPL	OSPL90 Maximum	114 / 120 dBSPL
OSPL90 @ 1600 Hz	118 / 123 dBSPL	HF Average OSPL90	110 / 115 dBSPL
Peak Gain	48 / 56 dB	Peak Gain	40 / 48 dB
Full-On-Gain @ 1600 Hz	43 / 51 dB	HFA Full-On-Gain	35 / 43 dB
R.T.G @ 1600 Hz	41 / 48 dB	Reference Test Grain	33 / 40 dB
Frequency Range: f1-f2	200-8000 Hz	Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%	THD at 500 Hz	< 3%
800 Hz	< 3%	800 Hz	< 3%
1600 Hz	< 3%	1600 Hz	< 3%
Eq. Input Noise Level	< 29 dBSPL	Eq. Input Noise Level	< 29 dBSPL
Attack Time	6 mS @ 2KHz	Attack Time	6 mS @2KHz
Release Time	60 mS @ 2KHz	Release Time	60 mS @ 2KHz
Battery Current Drain	0.80 / 1.05 mA	Battery Current Drain	0.80 / 1.05 mA
Battery Life (10A Zinc air)	100 / 75 hrs	Battery Life (10A Zinc Air)	100 / 75 hrs

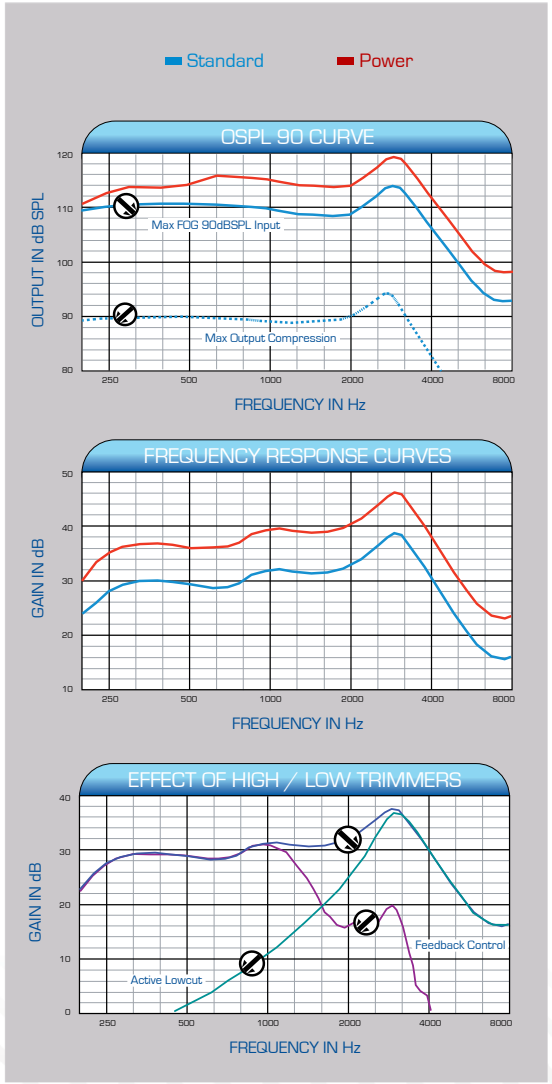
*Test Settings Provided Upon Request

FITTING RANGE



- 100% Digital Processing
- Enhanced Taper Control (ETC) for VC* or SSVC
- Improved Adaptive Feedback Cancellations (AFC)
- Two Channel Processing
- Dynamic Speech Enhancement (DSE)
- Trimmers Available; Low Cut, High Cut and AGC-o
- Low Battery Warning Indicator
- Multi-Memory Indicator
- Power (Optional)

*mini-canal only



PERSONA MEDICAL

SPCL/300-MCNL-CIC / 4 © 2008 PERSONA

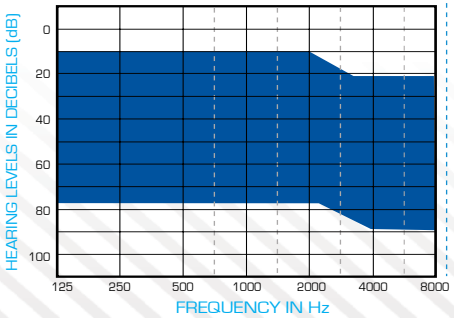
HALF SHELL AND CANAL

Claret™ 300 SPECIFICATIONS

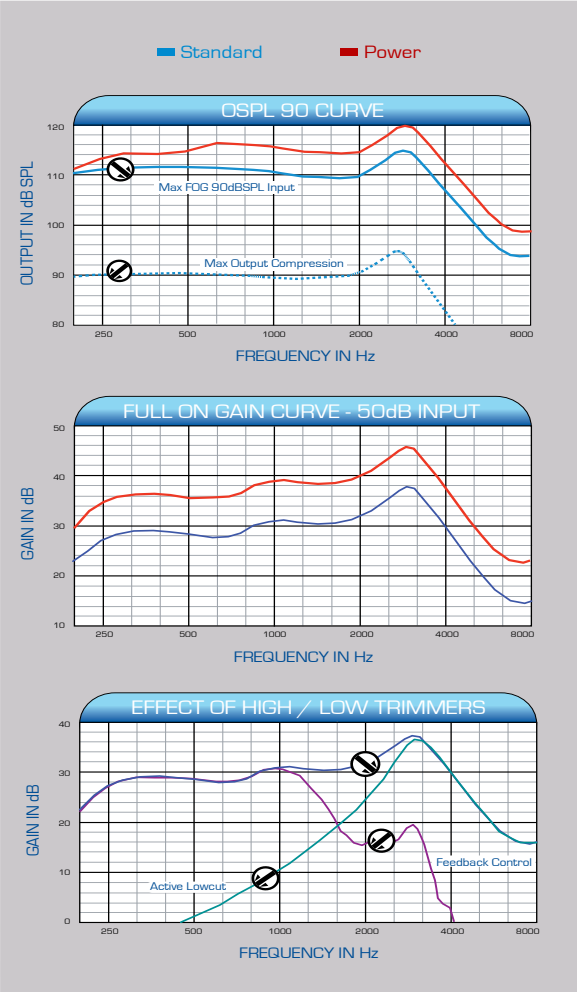
Ear Simulator [IEC-118-0]*	Standard / Power	2cc Coupler [ANSI S3.22-1996]*	Standard / Power
OSPL90 Maximum	122 / 128 dBSPL	OSPL90 Maximum	114 / 120 dBSPL
OSPL90 @ 1600 Hz	118 / 123 dBSPL	HF Average OSPL90	110 / 115 dBSPL
Peak Gain	58 / 66 dB	Peak Gain	50 / 58 dB
Full-On-Gain @ 1600 Hz	53 / 61 dB	HFA Full-On-Gain	45 / 53 dB
R.T.G @ 1600 Hz	41 / 46 dB	Reference Test Grain	33 / 38 dB
Frequency Range: f1-f2	200-8000 Hz	Frequency Range: f1-f2	200-8000 Hz
THD at 500 Hz	< 3%	THD at 500 Hz	< 3%
800 Hz	< 3%	800 Hz	< 3%
1600 Hz	< 3%	1600 Hz	< 3%
Eq. Input Noise Level	< 29 dBSPL	Eq. Input Noise Level	< 29 dBSPL
Attack / Release Time	6 / 60mS @ 2KHz	Attack / Release Time	6 / 60 mS @ 2KHz
Tele-Coil Sensitivity	101 / 106 dBSPL	Tele-Coil Sensitivity	93 / 98 dBSPL
Battery Current Drain	0.80 / 1.05 mA	Battery Current Drain	0.80 / 1.05 mA
Battery Life (312)	178 / 160 hrs	Battery Life (312)	178 / 160 hrs

*Test Settings Provided Upon Request

FITTING RANGE



- 100% Digital Processing Device
- Enhanced Taper Control (ETC) for VC or SSVC
- T-Coil and Auto T-Coils Option
- Improved Adaptive Feedback Cancellations (AFC)
- Two Channel Processing
- Dynamic Speech Enhancement (DSE)
- Trimmers Available; Low Cut, High Cut and AGC-o
- Directional Microphone; Fixed Hyper Cardioid
- Low Battery Warning Indicator
- Multi-Memory Indicator
- Power (Optional)



PERSONA MEDICAL

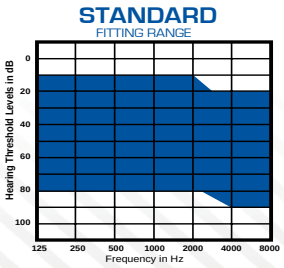
SPCL/300-HS-CNL / 10 © 2007 PERSONA

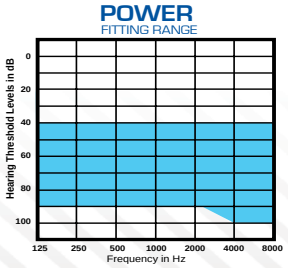
FULL SHELL / POWER

Claret™ 300 SPECIFICATIONS

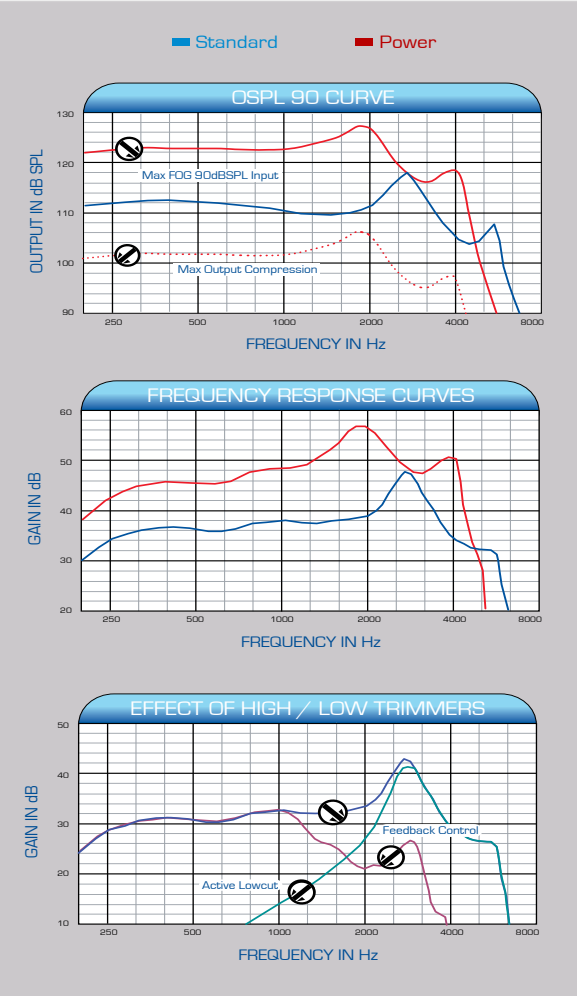
Ear Simulator [IEC-118-0]*	Standard / Power	2cc Coupler [ANSI S3.22-1996]*	Standard / Power
OSPL90 Maximum	128 / 136 dBSPL	OSPL90 Maximum	120 / 128 dBSPL
OSPL90 @ 1600 Hz	122 / 131 dBSPL	HF Average OSPL90	114 / 123 dBSPL
Peak Gain	64 / 73 dB	Peak Gain	56 / 65 dB
Full-On-Gain @ 1600 Hz	58 / 68 dB	HFA Full-On-Gain	50-35 / 60-35 dB
R.T.G @ 1600 Hz	45 / 54 dB	Reference Test Grain	37 / 46 dB
Frequency Range: f1-f2	200-6700 Hz	Frequency Range: f1-f2	200-6700 Hz
THD at 500 Hz	< 3%	THD at 500 Hz	< 3%
800 Hz	< 3%	800 Hz	< 3%
1600 Hz	< 3%	1600 Hz	< 3%
Eq. Input Noise Level	< 26 dBSPL	Eq. Input Noise Level	< 26 dBSPL
Attack / Release Time	6 / 60 mS @ 2KHz	Attack / Release Time	6 / 60 mS @ 2KHz
Tele-Coil Sensitivity	105 / 114 dBSPL	Tele-Coil Sensitivity	97 / 106 dBSPL
Battery Current Drain	0.95 / 1.2 mA	Battery Current Drain	0.95 / 1.2 mA
Battery Life [13]	337 / 228 hrs [13]	Battery Life [13]	337 / 228 hrs [13]

*Test Settings Provided Upon Request





- 100% Digital Processing Device
- Enhanced Taper Control (ETC) for VC or SSVC
- T-Coil and Auto T-Coils Option
- Improved Adaptive Feedback Cancellations (AFC)
- Two Channel Processing
- Dynamic Speech Enhancement (DSE)
- Trimmers Available; Low Cut, High Cut and AGC-o
- Directional Microphone; Fixed Hyper Cardioid
- Low Battery Warning Indicator
- Multi-Memory Indicator

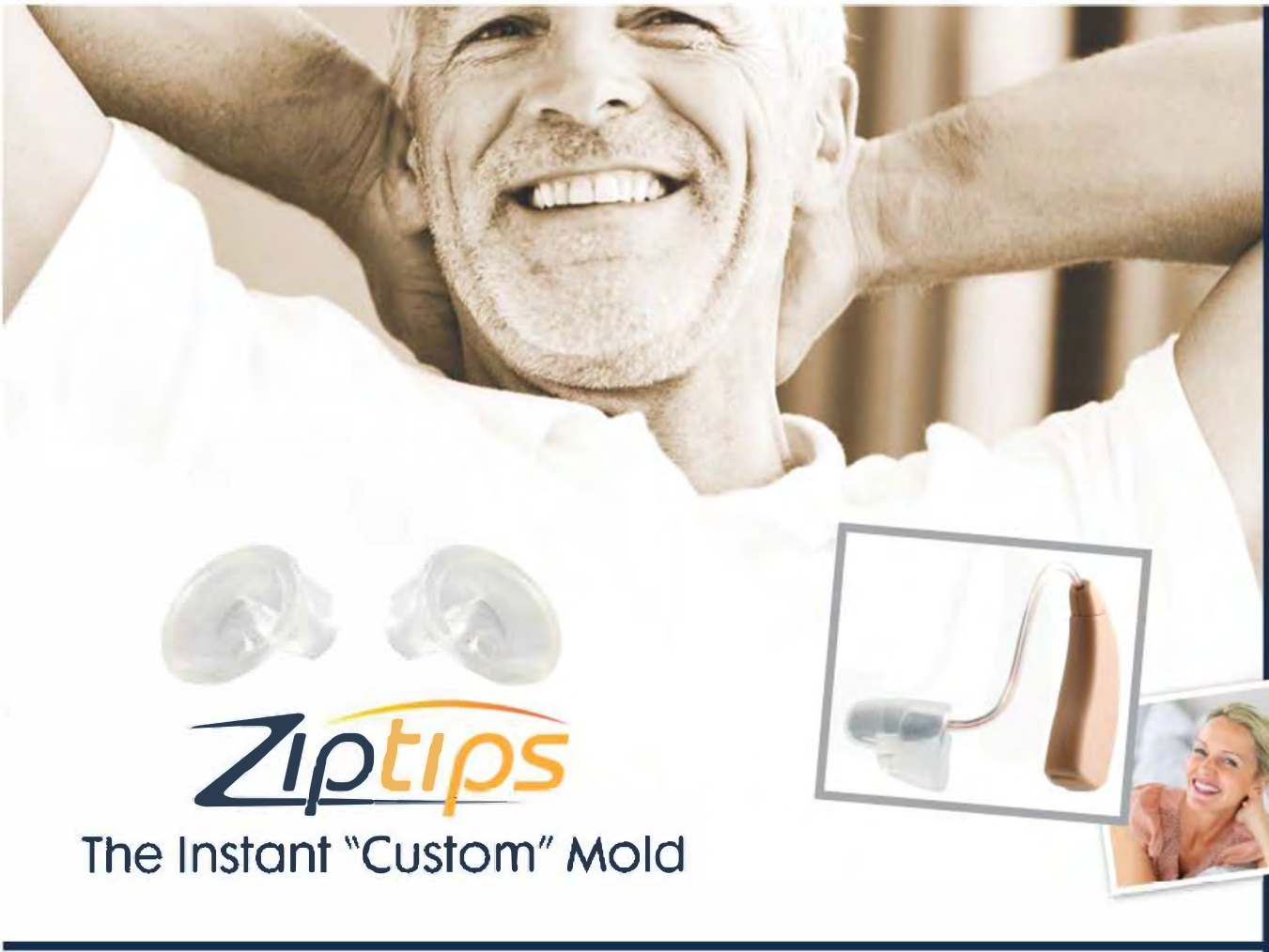


PERSONA MEDICAL

SPCL/300-FS/10 © 2007 PERSONA

PERSONA
MEDICAL

Hearing Protection



Ziptips

The Instant "Custom" Mold

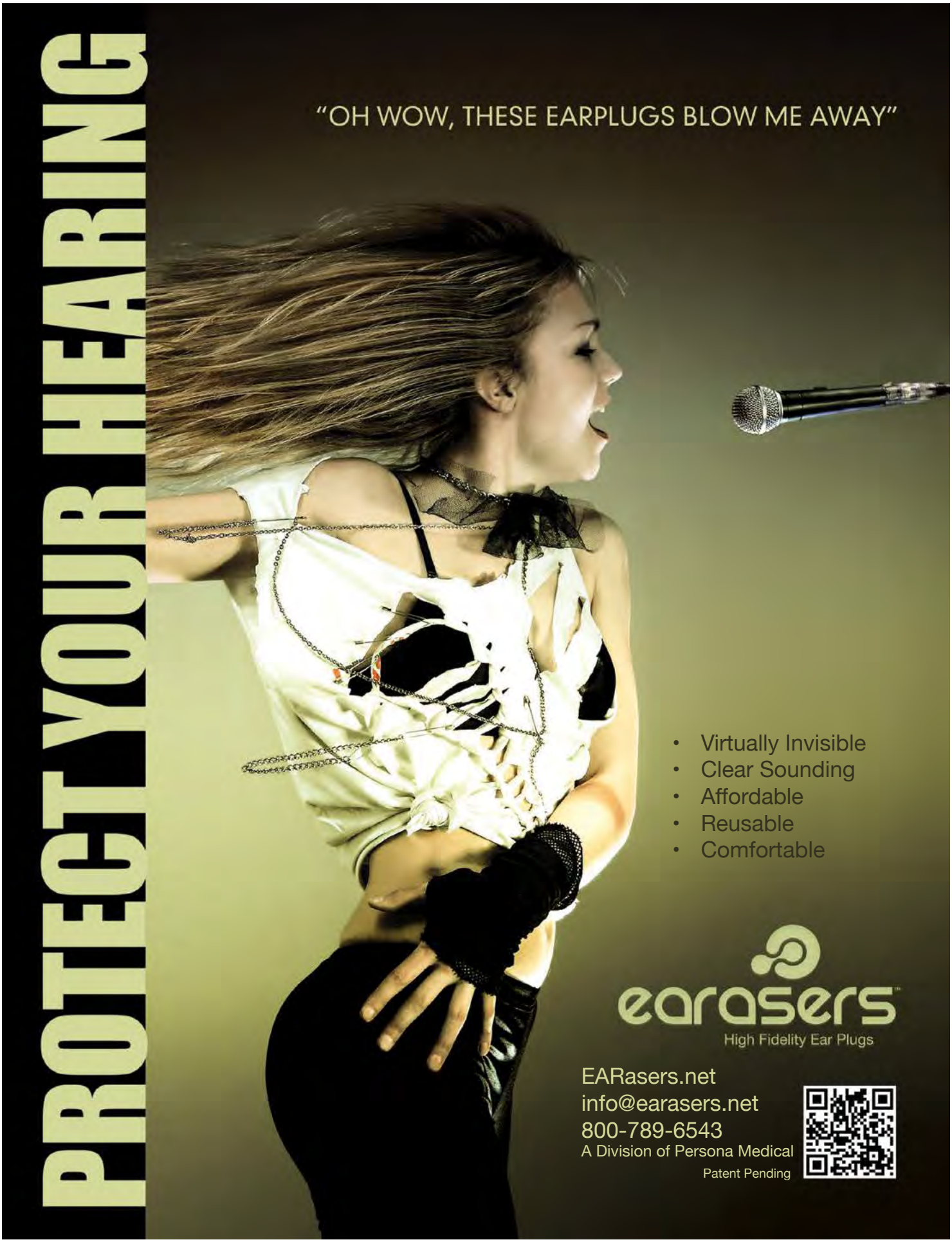
ZipTips are changing the way we fit hearing aids. Forget the hassle of custom molds and switch to the quickest, most efficient and most comfortable mold available on the market today.

ADVANTAGES:

- NO Impressions
- NO waiting for molds to be made
- NO Shipping fees for custom molds
- Increased Gain
- Increased Output
- Reduced Feedback
- Increased Low Frequency Gain
- Non-Occluding
- Places the seal at the aperture, where it belongs.
- Adjustable Venting
- Adjustable Depth
- Medical Grade Silicone
- Colored for easy R L Identification
- Secure and Comfortable
- Washable

PERSONA® MEDICAL

800.789.6543
personmedical.com


PROTECT YOUR HEARING
"OH WOW, THESE EARPLUGS BLOW ME AWAY"
• Virtually Invisible
• Clear Sounding
• Affordable
• Reusable
• Comfortable
earasers
High Fidelity Ear Plugs
EARasers.net
info@earasers.net
800-789-6543
A Division of Persona Medical
Patent Pending

EARASERS™

Be Ear-Responsible

HEARING PROTECTION THAT FOCUSES ON HEARING

Acoustically clear

No plugged up feeling

Virtually invisible

100% Guaranteed

No sweat

No tickle

No itch

Affordable

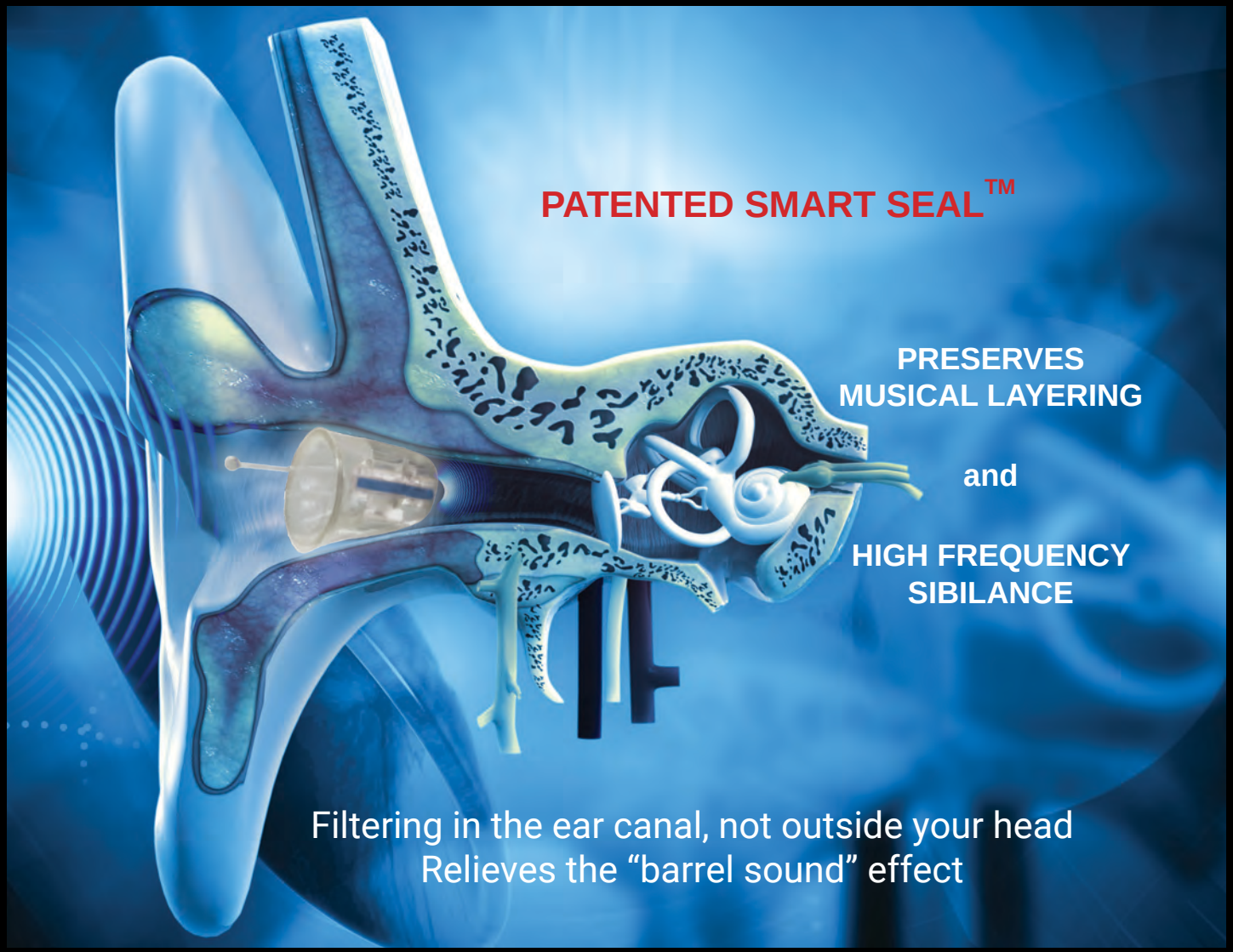
Reusable

Comfortable

Replaces custom earplugs

Renewable

Hearing Clearly Matters™



Clearly Hearing Matters™

Earasers Standard NRR -5 | Peak -19dB

Frequencies (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Attenuation Mean (dB)	2.7	3.2	1.2	6.7	14.9	19.2	16.7	14.8	11
Standard Deviation (dB)	3.5	3.1	6.5	4.2	5.3	4.0	3.7	4.8	3.8

ANSI S3.19-1974

Earasers Euro ~NRR 12 | Peak -26dB

Frequencies (Hz)	63	125	250	500	1000	2000	4000	8000
Attenuation Mean (dB)	10.8	11.9	12.0	15.3	19.0	24.4	26.3	19.0
Standard Deviation (dB)	2.8	2.6	1.6	2.2	3.0	2.8	2.8	3.0

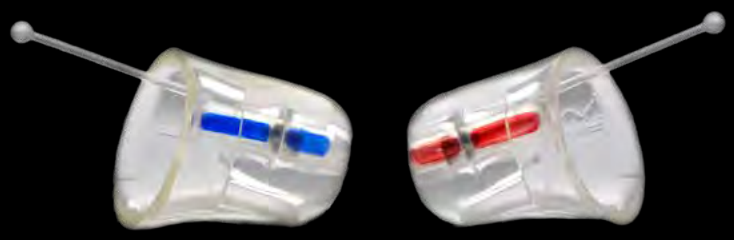
EN352-2 : 2002

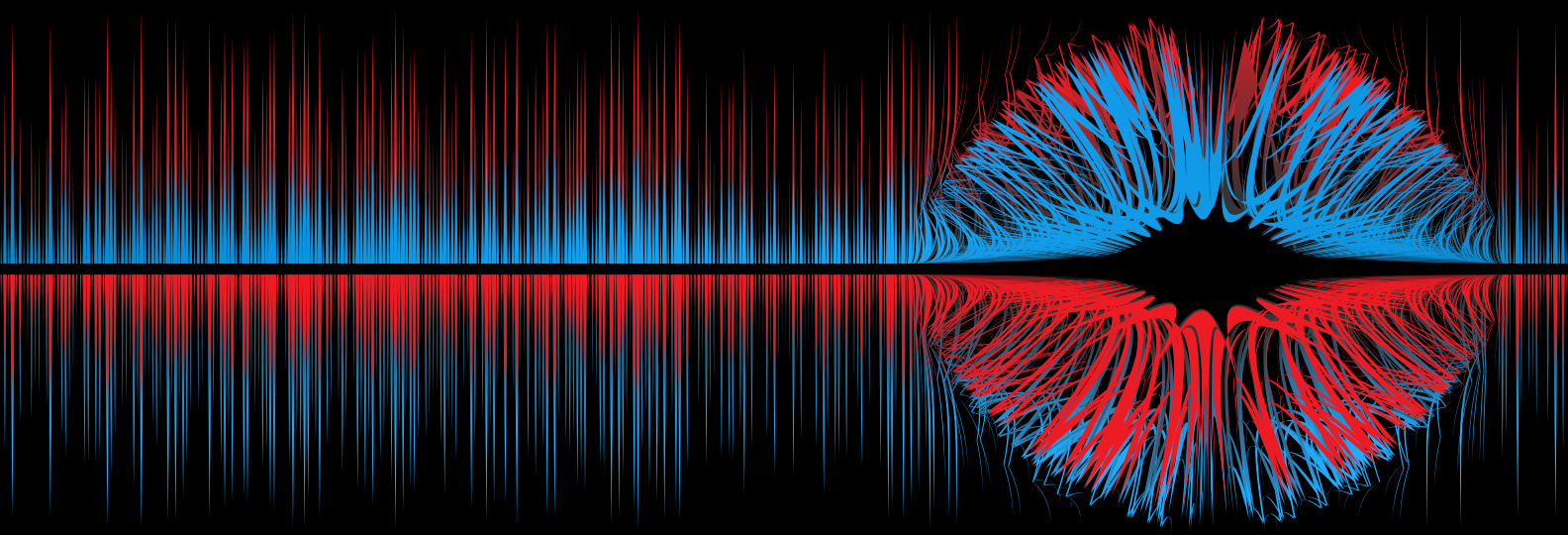
Earasers Safety NRR 16 | Peak -31dB

Frequencies (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Attenuation Mean (dB)	16	17	20	23	30	31	28	25	26
Standard Deviation (dB)	3.2	3.0	3.2	2.5	4.1	4.3	4.1	3.5	3.6

ANSI S3.19-1974, S12.6-2008, S12.42-2010 and AS/NZ S1270:2002

EARASERS





AMERICA'S FAVORITE

HIGH FIDELITY EARPLUG

THE ONLY GUARANTEED EARPLUG

FOR ALL MUSICIANS, SINGERS, CONCERT-GOERS, TEACHERS, DRUMLINES, HORN PLAYERS...

Call 1-800-789-6543

for Band Program Discounts

www.earasers.com

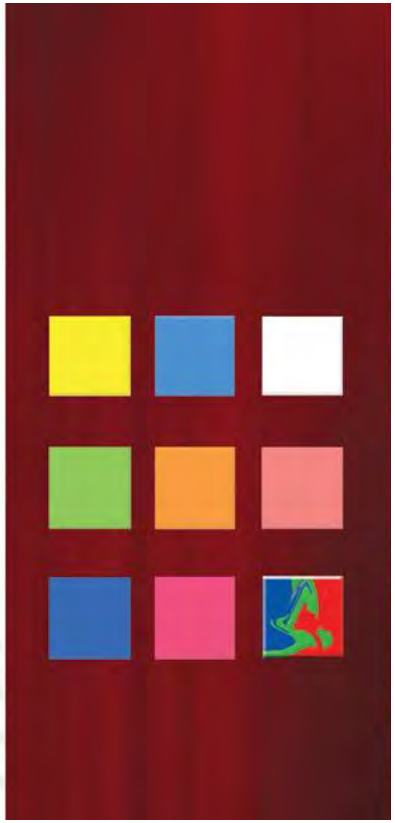
Splash!™

Made with bright, fun colors, our Splash™ swim plugs help keep water from getting into your ears. You can choose from eight great colors or mix colors together for a really cool look, like favorite school or team colors. Whatever color you choose, our Splash™ swim plugs are a fun way to protect those precious ears!

Plus, they come with built-in insertion and removal handles!

Splash™ Swim Plugs:

- Float
- Easy to handle
- Fun & colorful
- Reusable
- Reduce the chance of ear infections
- Soft Silicone



INEARZ™ AUDIO

ADEL™

ZEN

"A new paradigm. Eclipses all other universal in ear monitors. Comfortable & secure, clarity and power, headroom & smooth dynamics, all perfectly balanced...I thought I left my body!"

Stephen Ambrose - Inventor of the In Ear Monitor

INEARZ™ AUDIO

ADEL

www.inearz.com
info@personamedical.com

Different Silicone Colors / Custom Fit

Musicians Earplugs High Fidelity Filters

BigShots - Electronic Firearms/Hunting/Military

Hearing Protection Focused On Hearing

The Arsenal is a modular system that allows you to customize for many different listening experiences. The Arsenal is a custom fit, medical grade silicone earmold taken from your ear impressions, and then inserted with your choice from one of our different modules. The electronic modules are engineered to provide incredible noise protection and/or sound enhancement in varying environments.

The modules can also be used with foam or silicone tips for a quick and economical fit.

You don't have to get all the modules at one time - simply order additional modules in the future to expand your

ARSENAL

One Custom Earmold

ARSENAL

Expandable Functionality

Headphone / Stereo / In Ear Monitors

Bluetooth

Extreme Noise Blocking Earplugs - Max NRR

Officiating

Security | Police | Construction | Aviation
Motorsports | Industrial | Musicians | Concerts
If it's in the ear audio - we can help!

INEARZ™ SPORT

www.InearzSport.com

Over 55 years, in the InEarz business!

We know hearing, we know ears.

No other in-ear company has been around as long as us and can say they are certified by the FDA and have an audited quality system! We want to protect your hearing while creating an amazing soundstage.

HiFi Earplugs & In Ear Monitors

Referees / Presenters

Custom Headphones

Since 1967

Tel. (407) 339-2422
Info@InEarz.com
Persona Medical
170 N. Cypress Way
Casselberry, FL 32707

Br_arsenal_6_© 2021 Persona Medical

INEARZ™ SPORT

INEARZ™ SPORT

ARSENAL™

A multi-module listening experience

One Earmold - All The Fun.™

We are the experts at InEarz!

At Inearz Sport, we source only the finest materials to provide you with hearing products that are discreet, yet powerful, clear sounding and easy to use.

Our custom products are designed and manufactured in our 8000 square foot laboratory - because the details matter! Appropriate for various needs, our product line is complete with features which will give you a renewed spirit to travel, work and play in style and comfort.

The Perfect Fit - 3D Laser Scan

Each order includes a computerized scan of your impressions, stored digitally in case you need any future products or adjustments. Our computerized 3D laser technology is one of the details that sets us apart from the "competition."

PERSONA
MEDICAL

170 N. CYPRESS WAY
CASSELBERRY, FL 32707

407.339.2422
PERSONAMEDICAL.COM
2019