Product Information

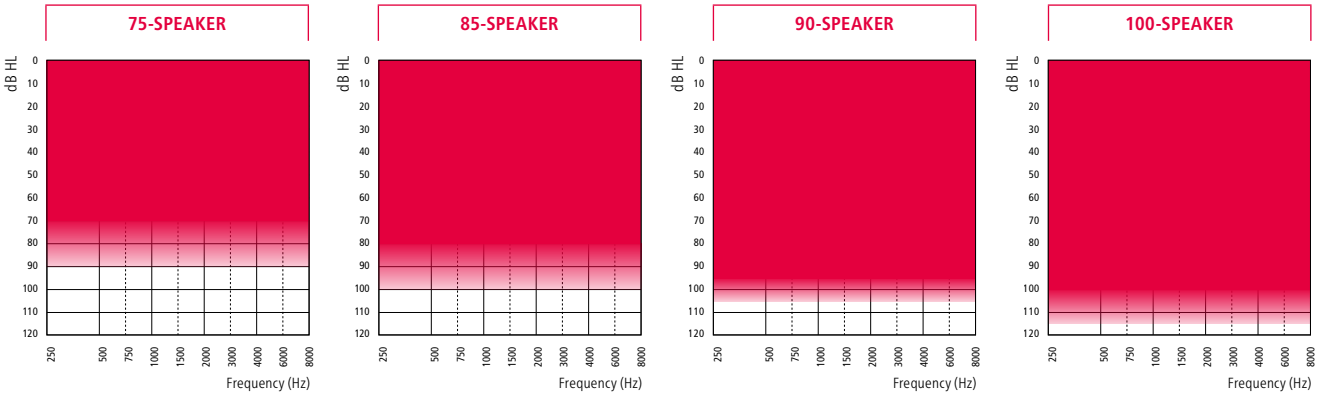
ZERENA 9|7|5|3|1 ITC, ITE HS, ITE FS

Zerena ITC, ITE HS and ITE FS are Bernafon's most flexible in-the-ear hearing instruments, suitable for mild to profound hearing losses. Individual client needs and preferences are supported by boundless combinations of sizes, fitting levels, options, and colors. Featuring the industry-leading dual-radio 2.4 GHz and super-fast, power-efficient NFMI technology, they can be used like stereo headphones. Together with the SoundClip-A, they are truly made for all phones, streaming sound to both ears from modern Bluetooth® sound devices including iPhone®, iPad®, iPod® and Android™ solutions.Sophisticated features work together for seamless and boundless adaptation to listening environments.

ZR 9|7|5|3|1 ITC (In-The-Canal)

ZR 9|7|5|3|1 ITE HS (Half Shell)

ZR 9|7|5|3|1 ITE FS (Full Shell)



Technical Features

- Battery sizes: 312, 13 (ITE HS & FS only)
- Directional microphones
- Near-field magnetic induction (NFMI)
- Hydrophobic coating, IP68 rated

Connectivity Features

(for instruments with optional 2.4 GHz Bluetooth® Low Energy)

- 2.4 GHz stereo streaming
- EasyControl-A app (for iOS and Android™)
- RC-A (remote control)
- TV-A (TV adapter)
- FittingLINK 3.0 (wireless programming interface)
- SoundClip-A

Optional Features

- 2.4 GHz Bluetooth® Low Energy*
- Push button, volume control, telecoil*
- Auto Telephone (detection)

Made for
iPhone | iPad | iPod

Zerena is compatible with iPhone X, iPhone 8 Plus, iPhone 8, iPhone 7 Plus, iPhone 7, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, 9.7-inch iPad Pro, 12.9-inch iPad Pro, iPad Air 2, iPad Air, iPad (4th generation), iPad mini 4, iPad mini 3, iPad mini 2, iPad mini, and iPod touch (5th and 6th generation). Devices must be running iOS 9.3 or later. For information on compatibility, please visit www.bernafon.com/products/accessories.

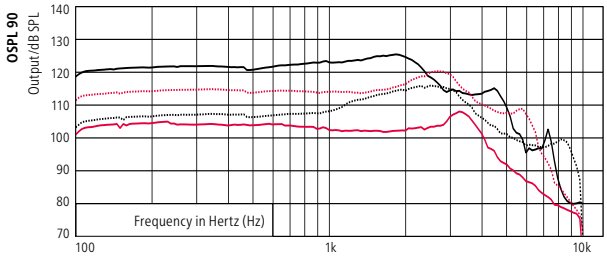
* Hearing aid with battery size 312 can accommodate either 2.4 GHz wireless or telecoil. Choose battery size 13 if both options are required.

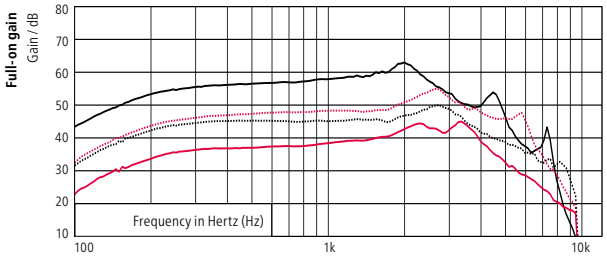
bernafon
Your hearing · Our passion

ZERENA 9

— **100-Speaker**
··· **90-Speaker**
··· **85-Speaker**
— **75-Speaker**

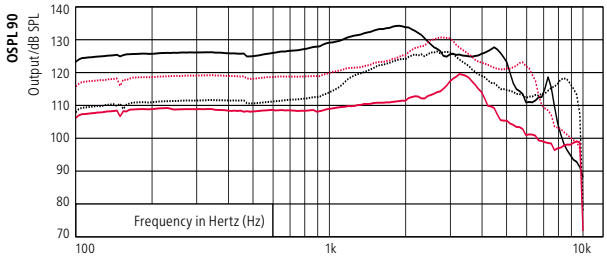
2CC COUPLER

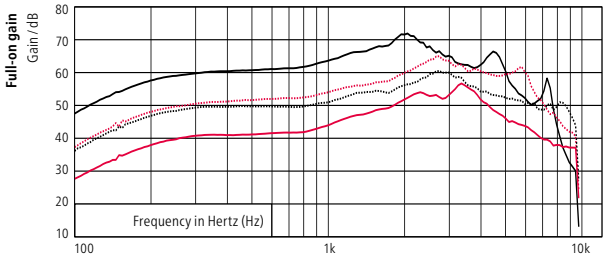




	75-SPEAKER	85-SPEAKER	90-SPEAKER	100-SPEAKER
OSPL90, Peak (dB SPL)	108	116	120	125
OSPL90, 1600 Hz (dB SPL)	102	113	115	125
OSPL90, HFA (dB SPL)	103	112	116	122
Full-on Gain, Peak (dB)	45	50	55	63
Full-on Gain, 1600 Hz (dB)	40	46	48	60
Full-on Gain, HFA (dB)	41	47	50	58
Reference Test Gain (dB)	27	35	39	45
Quiescent Current (mA)	1.7	1.7	1.7	1.7
Operating Current (mA)	1.8	1.9	1.8	1.8
Distortion 500/800/1600 Hz (%)	<2|<2|<2	<2|<2|<2	<2|<2|<2	<2|<2|<2
Frequency Range (Hz)	100-7500	100-8800	100-7900	100-7100
Equivalent Input Noise[1)] dB(A)	16	15	15	15
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	69	75	79	89
Telecoil HFA SPLITS (dB SPL)	83	92	96	103

EAR SIMULATOR





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OSPL90, Peak (dB SPL)	120	126	131	134
OSPL90, 1600 Hz (dB SPL)	111	122	123	133
OSPL90, HFA (dB SPL)	111	121	124	130
Full-on Gain, Peak (dB)	57	60	65	72
Full-on Gain, 1600 Hz (dB)	49	54	57	68
Full-on Gain, HFA (dB)	49	55	58	67
Reference Test Gain (dB)	37	47	48	58
Quiescent Current (mA)	1.7	1.7	1.7	1.7
Operating Current (mA)	1.7	1.8	1.8	1.8
Battery Size	312 | 13	312 | 13	312 | 13	312 | 13
Distortion 500/800/1600 Hz (%)	2|3|4	2|4|3	2|2|2	2|2|3
Frequency Range (Hz)	110-9500	100-9500	110-9500	100-7500
Equivalent Input Noise[1)] dB(A)	18	17	18	14
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	79	84	87	98

1) Technical data measured with expansion, corresponding to the test box measurement settings.

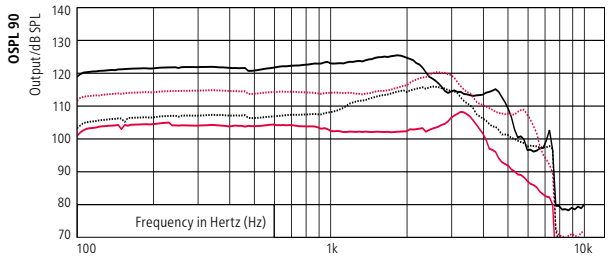
"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.
Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

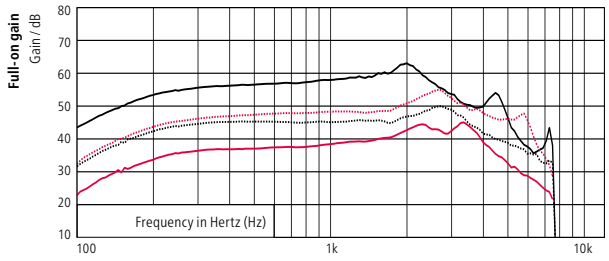
Full-on gain is measured with the gain control of the hearing aid set to its full-on position minus 20 dB and with an input SPL of 70 dB.
This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.

* Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

— 100-Speaker
··· 90-Speaker
··· 85-Speaker
— 75-Speaker

2CC COUPLER





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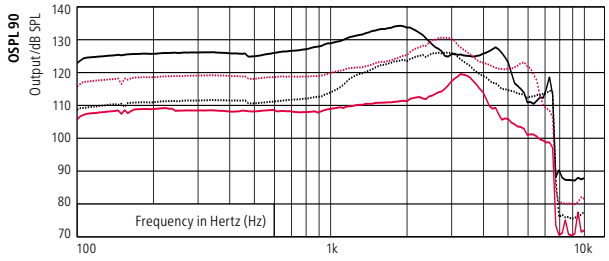

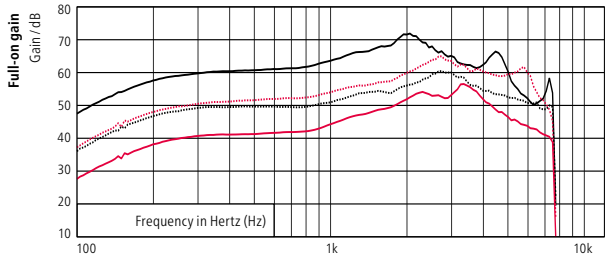

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FEATURE OVERVIEW

	ZERENA 9	ZERENA 7	ZERENA 5	ZERENA 3	ZERENA 1
DECS™ (Dynamic Environment Control System™)					
Dynamic Noise Management™					
Dynamic Directionality	High / Medium focus	Medium focus	Medium focus	Low focus	Low focus
Dynamic Noise Reduction	4 Settings	4 Settings	3 Settings	●	●
Dynamic Amplification Control™					
Speech in Noise	6 Settings	4 Settings	2 Settings	–	–
Comfort in Noise	4 Settings	2 Settings	–	–	–
Dynamic Speech Processing™					
ChannelFree™	●	●	●	●	●
Speech Cue Priority™	●	●	●	●	●
SPEECH					
Low Frequency Enhancer[3)]	●	●	●	●	●
Frequency Composition^{nxt}	●	●	●	●	–
COMFORT					
Binaural Noise Manager	●	●	–	–	–
Adaptive Feedback Canceller	●	●	●	●	●
Transient Noise Reduction	4 options	3 options	3 options	●	–
Wind Noise Manager	●	●	●	●	●
Dynamic Range Extender	●	–	–	–	–
Soft Noise Management	●	●	●	●	●
PROCESSING					
Frequency Bandwidth	10 kHz	8 kHz	8 kHz	8 kHz	8 kHz
Fitting Bands	16	14	12	10	8
DIRECTIONALITY CONTROLS					
Fixed Dir	●	●	●	●	●
Fixed Omni	●	●	●	●	●
True Directionality™	●	–	–	–	–
INDIVIDUALIZATION					
Program Option[1)]/Memories	14/4	13/4	13/4	10/4	10/4
Binaural Coordination: VC, Program Change, Mute	●	●	●	●	●
Automatic Adaptation Manager	●	●	●	●	●
Transition Level	3 options	3 options	2 options	–	–
Data Logging	●	●	●	●	●
Tinnitus SoundSupport[2)]	●	●	●	●	●

[1)] Can vary if no telecoil present
[2)] Requires push button
[3)] Requires 2.4 GHz streaming

Zerena 9|7|5|3|1 ITC, ITE HS and ITE FS instruments can be programmed with Oasis^{nxt} 2018.2 or higher

Operating Conditions
· Temperature: +1°C to +40°C
· Humidity: 5 % to 93 %, non-condensing

Storage and Transportation Conditions
Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage:
· Temperature: –25°C to +60°C
· Humidity: 5 % to 93 %, non-condensing

Waste from electronic equipment must be handled according to local regulations.

CE 0543

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www.bernafon.ca

190503/2018-06-12/Firmware 3.x/CA-US/ver. 1.0/subject to change