

Product Information

ZERENA 9|7|5|3|1 BTE 105

Zerena BTE 105 is Bernafon's strongest, most advanced hearing instrument for users with moderate to profound hearing losses. It is a Made for iPhone® hearing instrument and supports Bluetooth® Low Energy (BLE) at 2.4 GHz. Sophisticated features

work together for seamless and boundless adaptation to listening environments. The Zerena BTE 105 is available with an earhook and compatible with the miniFit thin tube system for use with a variety of custom molds and domes.

MINIFIT 0.9 MM



ZR 9|7|5|3|1 B 105

MINIFIT 1.3 MM



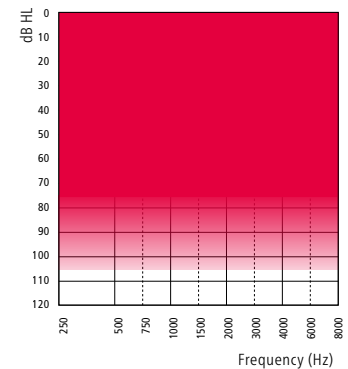
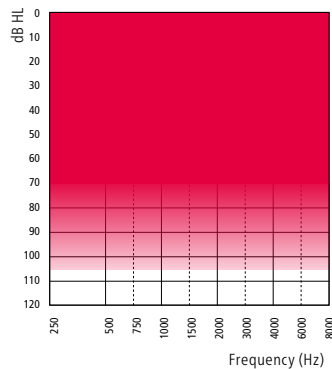
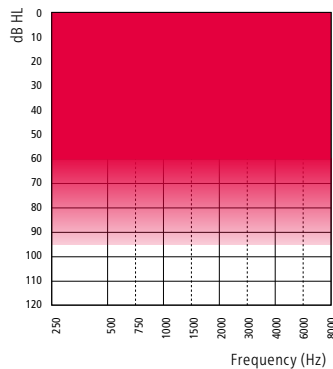
ZR 9|7|5|3|1 B 105

EARHOOK



ZR 9|7|5|3|1 B 105

Made for
 iPhone | iPad | iPod



Technical Features

- 13 size battery
- Double push button
- Telecoil
- Auto Telephone (detection)
- miniFit thin tube
- Hydrophobic coating
- IP68 rated

Connectivity Features

- 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
- Direct Audio Input (DAI) adapter
- FM adapter

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.

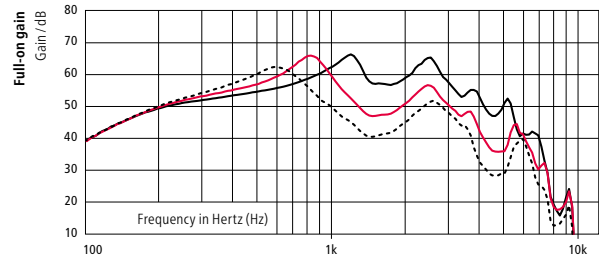
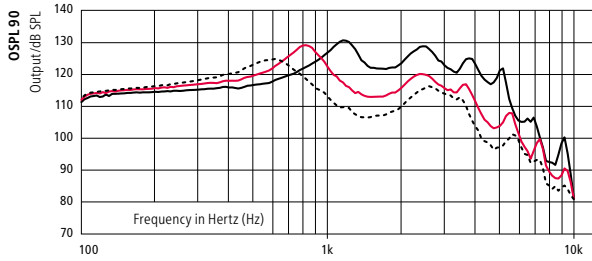
Apple, the Apple logo, iPhone, iPad, iPod touch, and Apple Watch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Android, Google Play, and the Google Play logo are trademarks of Google LLC.

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by William Demant Holding A/S is under license. Other trademarks and trade names are those of their respective owners.

bernafon[®]
Your hearing • Our passion

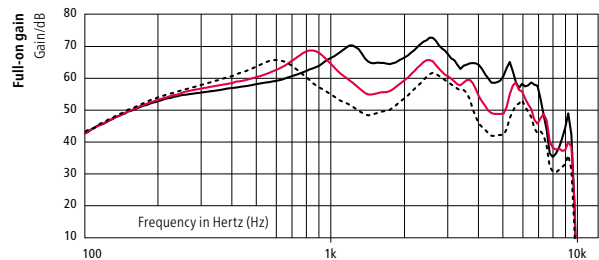
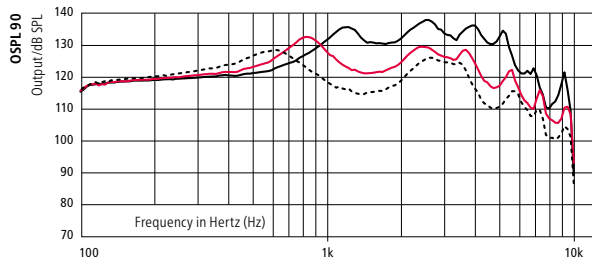
— Earhook
 — Thin tube 1.3 mm
 - - - Thin tube 0.9 mm

2CC COUPLER



	EARHOOK	THIN TUBE 1.3	THIN TUBE 0.9
OSPL90, Peak (dB SPL)	131	129	125
OSPL90, 1600 Hz (dB SPL)	122	113	107
OSPL90, HFA (dB SPL)	126	118	112
Full-on Gain, Peak (dB)	66	66	62
Full-on Gain, 1600 Hz (dB)	57	47	41
Full-on Gain, HFA (dB)	62	54	47
Reference Test Gain (dB)	50	43	36
Quiescent Current (mA)	1.6	1.6	1.6
Operating Current (mA)	1.9	2.0	1.9
Battery Size	13	13	13
Distortion 500/800/1600 Hz (%)	<4/<2/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100-5800	100-6700	100-6900
Equivalent Input Noise ¹⁾ dB(A)	14	19	20
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	89	79	73
Telecoil HFA SPLITS (dB SPL)	107	99	93

EAR SIMULATOR



	EARHOOK	THIN TUBE 1.3	THIN TUBE 0.9
OSPL90, Peak (dB SPL)	138*	132*	128
OSPL90, 1600 Hz (dB SPL)	130	121	115
OSPL90, HFA (dB SPL)	-	-	-
Full-on Gain, Peak (dB)	73	69	66
Full-on Gain, 1600 Hz (dB)	65	56	49
Full-on Gain, HFA (dB)	-	-	-
Reference Test Gain (dB)	56	47	41
Quiescent Current (mA)	1.6	1.5	1.6
Operating Current (mA)	1.7	1.7	1.7
Battery Size	13	13	13
Distortion 500/800/1600 Hz (%)	<7/<4/<2	<3/<2/<2	<2/<2/<2
Frequency Range (Hz)	-	-	-
Equivalent Input Noise ¹⁾ dB(A)	18	22	22
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	96	87	81
Telecoil HFA SPLITS (dB SPL)	-	-	-

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

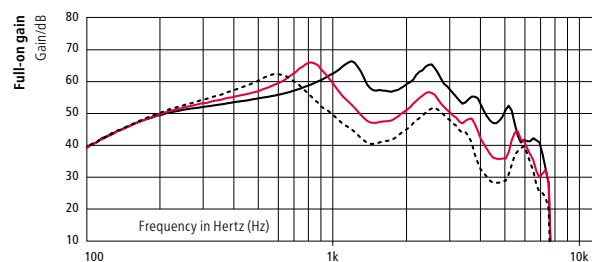
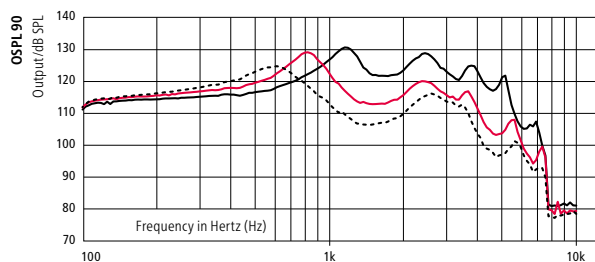
Full-on gain is measured with the gain control of the hearing aid set to its full-on position minus 20 dB and with an input SPL of 70 dB.

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.

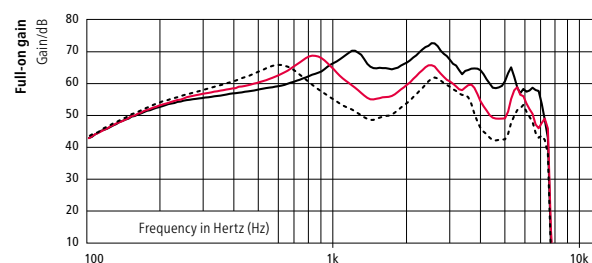
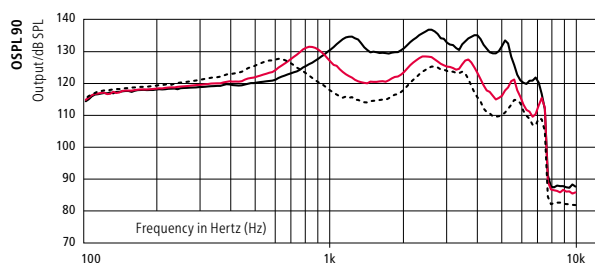
— Earhook
 — Thin tube 1.3 mm
 - - - Thin tube 0.9 mm

2CC COUPLER



	EARHOOK	THIN TUBE 1.3	THIN TUBE 0.9
OSPL90, Peak (dB SPL)	131	129	125
OSPL90, 1600 Hz (dB SPL)	122	113	107
OSPL90, HFA (dB SPL)	126	119	112
Full-on Gain, Peak (dB)	66	66	62
Full-on Gain, 1600 Hz (dB)	57	47	41
Full-on Gain, HFA (dB)	62	54	47
Reference Test Gain (dB)	50	43	36
Quiescent Current (mA)	1.6	1.6	1.6
Operating Current (mA)	1.9	2.0	1.9
Battery Size	13	13	13
Distortion 500/800/1600 Hz (%)	<4/<2/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100-5800	100-6700	100-6700
Equivalent Input Noise ¹⁾ dB(A)	14	18	22
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	89	79	73
Telecoil HFA SPLITS (dB SPL)	106	100	93

EAR SIMULATOR



	EARHOOK	THIN TUBE 1.3	THIN TUBE 0.9
OSPL90, Peak (dB SPL)	138*	132*	128
OSPL90, 1600 Hz (dB SPL)	130	121	115
OSPL90, HFA (dB SPL)	-	-	-
Full-on Gain, Peak (dB)	73	69	66
Full-on Gain, 1600 Hz (dB)	65	56	50
Full-on Gain, HFA (dB)	-	-	-
Reference Test Gain (dB)	56	47	41
Quiescent Current (mA)	1.6	1.5	1.6
Operating Current (mA)	1.7	1.6	1.7
Battery Size	13	13	13
Distortion 500/800/1600 Hz (%)	<7/<4/<2	<3/<2/<2	<2/<2/<2
Frequency Range (Hz)	-	-	-
Equivalent Input Noise ¹⁾ dB(A)	18	24	25
Telecoil 1 mA/m 1600 Hz, IEC (dB SPL)	96	87	81
Telecoil HFA SPLITS (dB SPL)	-	-	-

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.

FEATURE OVERVIEW

	ZERENA 9	ZERENA 7	ZERENA 5	ZERENA 3	ZERENA 1
DECS™ (Dynamic Environment Control System™)	Gold	Silver	Bronze	–	–
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	●	●	●	●	●
Frequency Composition ^{ext}	●	●	●	●	–
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 Options/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	●	●	●	●	●

Zerena B 105 can be programmed with Oasis^{ext} 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



Manufacturer

Switzerland
Bernafon AG
Morgenstrasse 131
3018 Bern
Phone +41 31 998 15 15
info@bernafon.com
www.bernafon.com

Australia
Bernafon Australia
629 Nudgee Road
Nundah QLD 4012
Freecall 1800 809 111
Phone +61 7 3250 0300
Fax +61 7 3250 0372

New Zealand
Bernafon New Zealand
Millennium Centre
Level 2, Building A
600 Great South Road
Greenlane, Auckland 1051
Toll Free 0800 442 257
info@bernafon.co.nz

South Africa
Bernafon South Africa (Pty) Ltd
39 Van Vuuren Street
Constantia Kloof
1709
Phone +27 11 675 6104

United Kingdom
Bernafon UK
Cadzow Industrial Estate
Off Low Waters Road
Hamilton
ML3 7QE Scotland
Phone +44 1698 285 968
Fax +44 1698 421 456



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

CE 0543