

## Product Information

# ZERENA 9|7|5|3|1 IIC, CIC

**Zerena IIC and CIC are the smallest in-the-ear hearing instruments of the Zerena family, suitable for mild to profound hearing losses.** Sophisticated features work together for seamless and boundless adaptation to listening environments. Placed deeply in

the canal, these instruments allow the user to benefit from the natural pinna effect and improve their sound localization abilities. Each style supports two power levels to better accommodate users' needs.

IIC

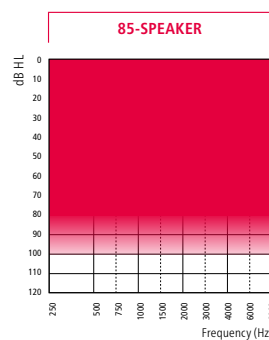
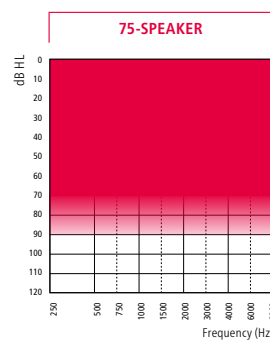
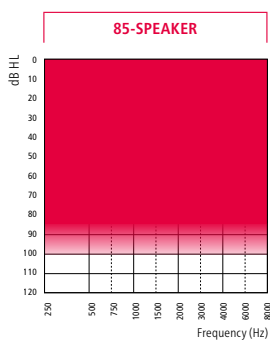
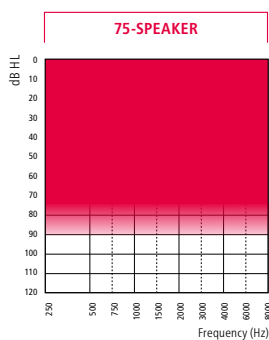


ZR 9|7|5|3|1 IIC

CIC



ZR 9|7|5|3|1 CIC



## Technical Features

- Battery size: 10
- Hydrophobic coating, IP68 rated

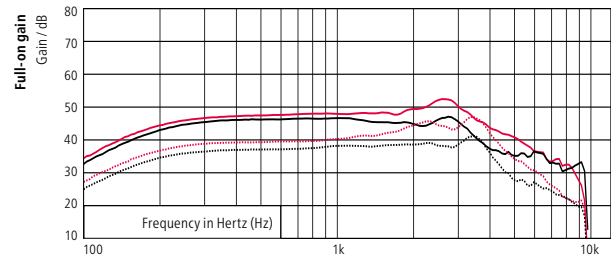
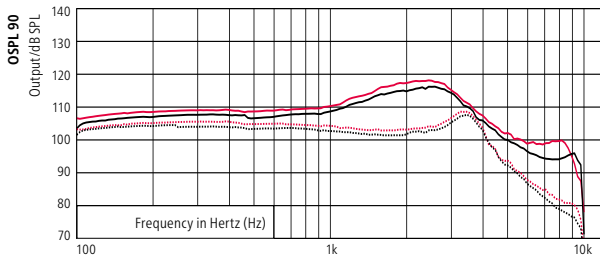
## Optional Features for CIC

- Push button
- Near-field magnetic induction (NFMI)

# ZERENA 9

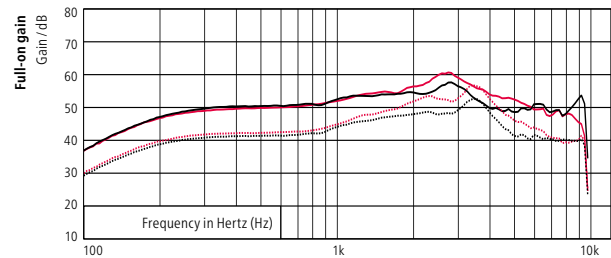
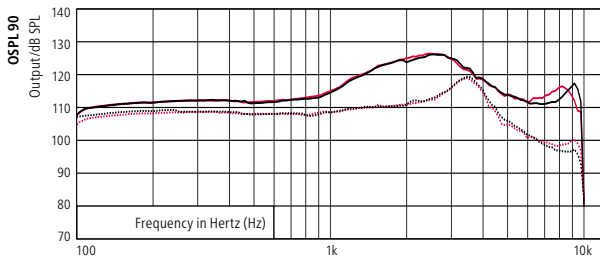
- 85-Speaker CIC
- 85-Speaker IIC
- 75-Speaker CIC
- 75-Speaker IIC

## 2CC COUPLER



	IIC		CIC	
	75-SPEAKER	85-SPEAKER	75-SPEAKER	85-SPEAKER
OSPL90, Peak (dB SPL)	108	116	109	118
OSPL90, 1600 Hz (dB SPL)	102	114	103	116
OSPL90, HFA (dB SPL)	102	113	104	115
Full-on Gain, Peak (dB)	41	47	47	52
Full-on Gain, 1600 Hz (dB)	38	45	42	48
Full-on Gain, HFA (dB)	38	46	42	49
Reference Test Gain (dB)	26	37	27	38
Quiescent Current (mA)	1	1	1	1
Operating Current (mA)	1.1	1.4	1	1.3
Distortion 500/800/1600 Hz (%)	2 2 2	<2 2 <2	<2 <2 2	<2 <2 2
Frequency Range (Hz)	100-9200	100-9200	100-7000	100-9000
Equivalent Input Noise <sup>1)</sup> dB(A)	18	18	19	17

## EAR SIMULATOR



	IIC		CIC	
	75-SPEAKER	85-SPEAKER	75-SPEAKER	85-SPEAKER
OSPL90, Peak (dB SPL)	119	126	119	126
OSPL90, 1600 Hz (dB SPL)	110	123	110	123
OSPL90, HFA (dB SPL)	111	121	110	121
Full-on Gain, Peak (dB)	53	58	57	61
Full-on Gain, 1600 Hz (dB)	47	54	49	55
Full-on Gain, HFA (dB)	46	54	49	56
Reference Test Gain (dB)	37	47	36	48
Quiescent Current (mA)	1	1	1	1
Operating Current (mA)	1	1.1	1	1.1
Battery Size	10	10	10	10
Distortion 500/800/1600 Hz (%)	2 2 3	2 3 2	2 2 3	2 3 4
Frequency Range (Hz)	100-9500	100-9500	100-9500	100-9500
Equivalent Input Noise <sup>1)</sup> dB(A)	19	18	20	20

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.

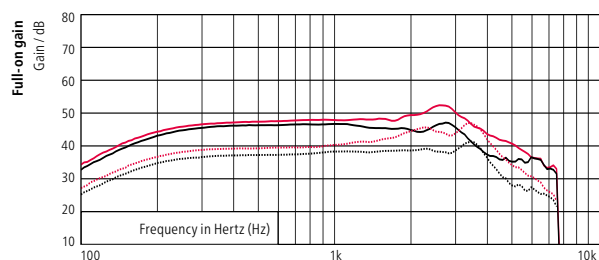
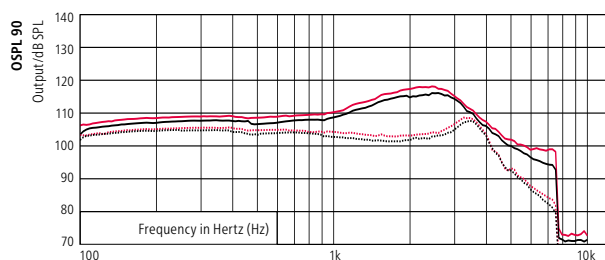
Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

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.

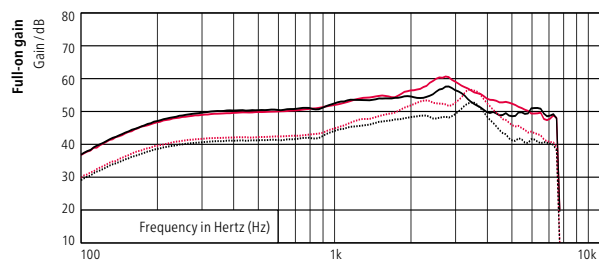
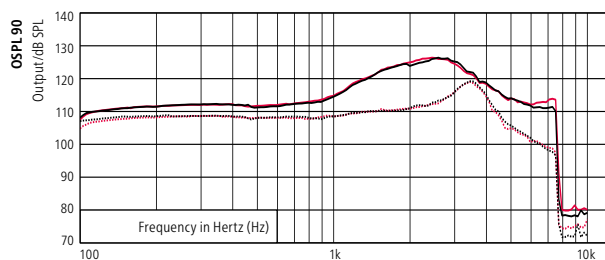
\* Special care should be taken when fitting and using a hearing instrument with maximum sound pressure capability in excess of 132 dB SPL (IEC 60318-4) since there may be a risk of impairing the remaining hearing of the hearing instrument user.

2CC COUPLER



	IIC		CIC	
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Distortion 500/800/1600 Hz (%)	2 2 2	<2 <2	<2 <2 2	<2 <2 2
Frequency Range (Hz)	100-7500	100-7500	100-7000	100-7500
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EAR SIMULATOR



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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 Noise Reduction	4 Settings	4 Settings	3 Settings	●	●
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### 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

Frequency Composition <sup>next</sup>	●	●	●	●	–
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## COMFORT

Binaural Noise Manager <sup>1)</sup>	●	●	–	–	–
Adaptive Feedback Canceller	●	●	●	●	●
Transient Noise Reduction	4 options	3 options	3 options	●	–
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 Omni	●	●	●	●	●
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## INDIVIDUALIZATION

Program Option/Memories	10/4	9/4	9/4	6/4	6/4
Binaural Coordination <sup>1)</sup> : VC, Program Change, Mute	●	●	●	●	●
Automatic Adaptation Manager	●	●	●	●	●
Transition Level	3 options	3 options	2 options	–	–
Data Logging	●	●	●	●	●
Tinnitus SoundSupport <sup>1), 2)</sup>	●	●	●	●	●

<sup>1)</sup> Requires NFMI

<sup>2)</sup> Requires push button

Zerena 9|7|5|3|1 IIC and CIC instruments can be programmed with Oasis<sup>next</sup> 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:

Bernafor AG  
Morgenstrasse 131  
3018 Bern  
Switzerland  
www.bernafor.com

### Local Manufacturer

**& Distributor:**  
Bernafor Canada  
500 Trillium Drive, Unit 15  
Kitchener, ON, N2R 1A7  
www.bernafor.ca



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

CE 0543