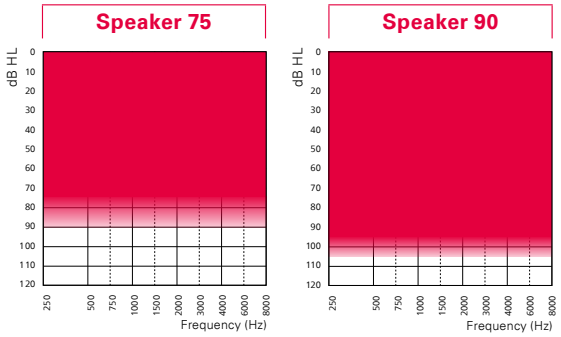
Product information

Alpha 9|7|5|3|1 IIC, CIC

Bernafon Alpha IIC and CIC are the smallest in-the-ear hearing instruments of the Alpha family, suitable for slight to severe hearing losses. These instruments offer the revolutionary Hybrid Technology™ included in other Bernafon Alpha hearing instrument styles. 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.

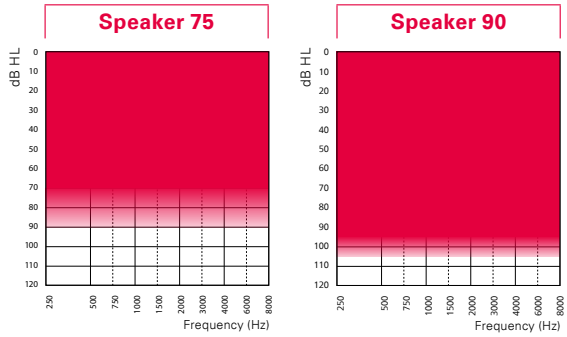
IIC

AH 9|7|5|3|1 IIC



CIC

AH 9|7|5|3|1 CIC



Technical features

- Battery size: 10
- Hydrophobic coating
- IP68 rated
- Push button*
- Near-field magnetic induction (NFMI)*

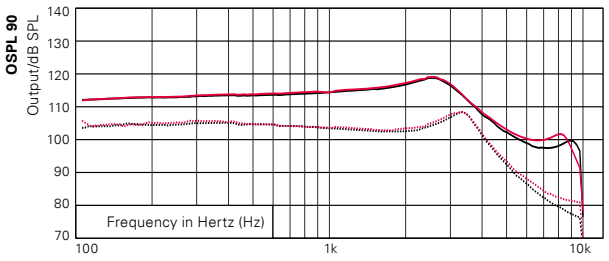
* Optional features only available for CIC

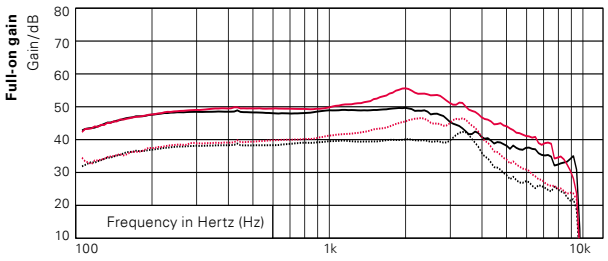
bernafon
Your hearing · Our passion

Alpha 9

- **Speaker 90 CIC**
- **Speaker 90 IIC**
- **Speaker 75 CIC**
- **Speaker 75 IIC**

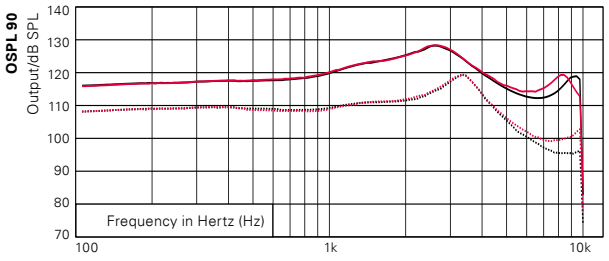
2CC Coupler

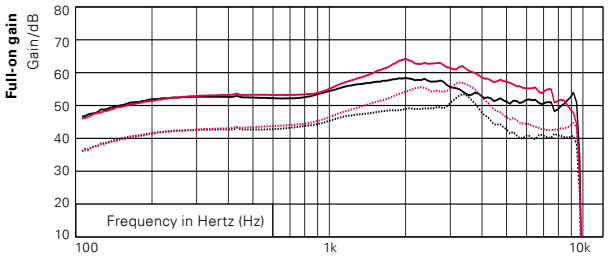




	IIC		CIC	
	Speaker 75	**Speaker 90**	**Speaker 75**	**Speaker 90**
OSPL90, Peak (dB SPL)	108	119	108	119
OSPL90, 1600 Hz (dB SPL)	102	115	103	116
OSPL90, HFA (dB SPL)	103	116	104	116
Full-on Gain, Peak (dB)	42	50	47	56
Full-on Gain, 1600 Hz (dB)	40	49	43	53
Full-on Gain, HFA (dB)	39	49	43	52
Reference Test Gain (dB)	27	39	27	40
Quiescent Current (mA)	1.6	1.6	1.5	1.6
Operating Current (mA)	1.7	2.3	1.6	2.0
Distortion 500/800/1600 Hz (%)	<2/<2/<3	<2/<2/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100–9200	100–9400	100–9300	100–8700
Equivalent Input Noise[1] dB(A)	19	19	19	18

Ear simulator





	IIC		CIC	
	Speaker 75	**Speaker 90**	**Speaker 75**	**Speaker 90**
OSPL90, Peak (dB SPL)	119	128	119	128
OSPL90, 1600 Hz (dB SPL)	111	124	111	124
OSPL90, HFA (dB SPL)	111	124	111	124
Full-on Gain, Peak (dB)	53	58	57	64
Full-on Gain, 1600 Hz (dB)	48	57	51	61
Full-on Gain, HFA (dB)	48	56	51	60
Reference Test Gain (dB)	37	49	36	49
Quiescent Current (mA)	1.6	1.6	1.5	1.6
Operating Current (mA)	1.6	1.8	1.6	1.8
Battery Size	10	10	10	10
Distortion 500/800/1600 Hz (%)	<2/<3/<4	<2/<4/<2	<2/<3/<3	<2/<3/<2
Frequency Range (Hz)	100–9500	100–9500	100–9500	100–9500
Equivalent Input Noise[1] dB(A)	19	17	19	18

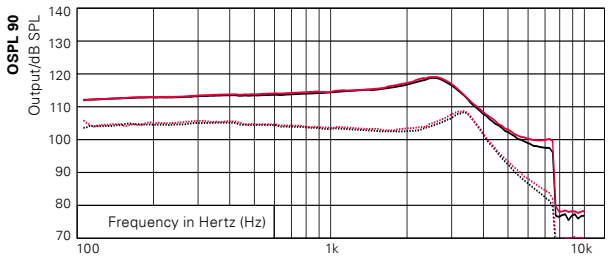
[1] Technical data measured with expansion, corresponding to the test box measurement settings.

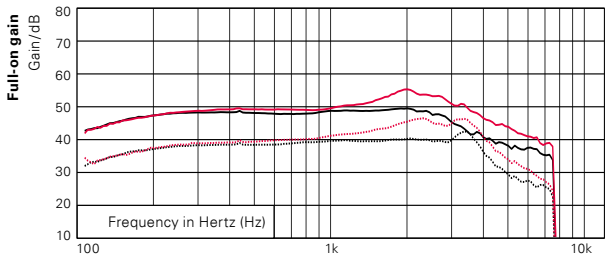
"2cc" refers to a coupler according to IEC 60318-5:2006. "Ear simulator" refers to a coupler according to IEC 60318-4:2010.
Applied versions: IEC 60118-0 /A1:1994, IEC 60118-1 /A1:1998, IEC 60118-7: 2005, ANSI S3.22: 2014, IEC 60118-0:2015.

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.

— Speaker 90 CIC
— Speaker 90 IIC
··· Speaker 75 CIC
··· Speaker 75 IIC

2CC Coupler





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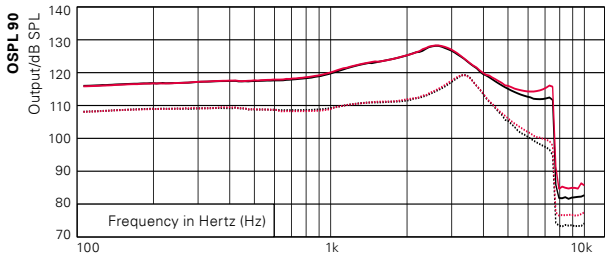
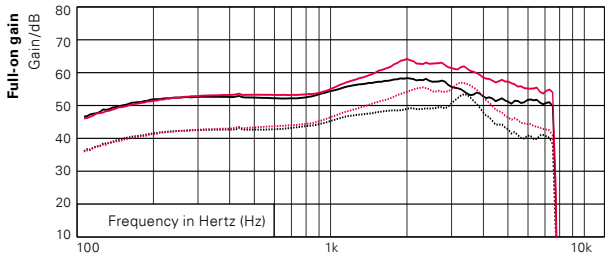
OSPL90, HFA (dB SPL)	103	116	104	116
Full-on Gain, Peak (dB)	43	50	47	56
Full-on Gain, 1600 Hz (dB)	40	49	43	53
Full-on Gain, HFA (dB)	40	49	43	52
Reference Test Gain (dB)	27	39	27	40
Quiescent Current (mA)	1.6	1.6	1.5	1.6
Operating Current (mA)	1.6	2.3	1.6	2.0
Distortion 500/800/1600 Hz (%)	<2/<2/<3	<2/<2/<2	<2/<2/<2	<2/<2/<2
Frequency Range (Hz)	100–7500	100–7500	100–7500	100–7500
Equivalent Input Noise[1] dB(A)	19	19	19	19

Ear simulator





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Quiescent Current (mA)	1.6	1.6	1.5	1.6
Operating Current (mA)	1.6	1.8	1.6	1.8
Battery Size	10	10	10	10
Distortion 500/800/1600 Hz (%)	<2/<3/<4	<2/<4/<2	<2/<3/<3	<2/<3/<2
Frequency Range (Hz)	100–7500	100–7500	100–7500	100–7500
Equivalent Input Noise[1] dB(A)	19	17	19	18

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Feature overview

	Alpha 9	Alpha 7	Alpha 5	Alpha 3	Alpha 1
Hybrid Technology™					
Hybrid Sound Processing™	●	●	●	●	●
Frequency bandwidth	10 kHz	8 kHz	8 kHz	8 kHz	8 kHz
Hybrid Balancing™	●	●	–	–	–
Speech Balancer	3 options	2 options	●	●	●
Noise Balancer	4 options	2 options	–	–	–
Hybrid Noise Management™	●	●	●	●	●
Smart Noise Reduction	4 options	4 options	3 options	3 options	2 options
Hybrid Feedback Canceller™	●	●	●	●	●
Speech					
Frequency Composition^{nxt}	●	●	●	●	●
Comfort					
Binaural Noise Manager[2)]	●	●	–	–	–
Transient Noise Reduction	4 options	3 options	3 options	2 options	–
Dynamic Range Extender	●	●	–	–	–
Soft Noise Manager	●	●	●	●	●
Directionality controls					
Fixed Omni	●	●	●	●	●
Individualization					
Personalization	●	●	●	●	●
Fitting bands	24	20	18	14	12
Program options/memories [1)]	9/4	8/4	8/4	6/4	4/4
Music Experience [1)]	●	●	●	●	–
Binaural coordination: VC, program changes [2)]	●	●	●	●	●
Automatic Adaptation Manager	●	●	●	●	●
Transition	4 options	3 options	2 options	●	●
Data Logging	●	●	●	●	●
Tinnitus SoundSupport [1) 2)]	●	●	●	●	●

[1)] Requires push button (only available in CIC)
[2)] Requires NFMI (only available in CIC)

● Available
– Unavailable

Alpha 9|7|5|3|1 IIC and CIC instruments can be programmed with Oasis^{nxt} 2022.2 or higher

Operating conditions
· Temperature: +1 °C to +40 °C (+34 °F to +104 °F)
· Humidity: 5 % to 93 %, relative humidity, non-condensing
· Atmospheric pressure: 700 hPa to 1060 hPa

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 (–13 °F to +140 °F)
· Humidity: 5 % to 93 %, relative humidity, non-condensing
· Atmospheric pressure: 700 hPa to 1060 hPa

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Bernafon is part of the Demant Group.

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