



	Zircon 1	Zircon 2	
<b>Speech Understanding</b>	OpenSound Navigator™	•	-
	- Balancing power effect	40%	-
	- Max. noise removal difficult/simple	6 dB / 0 dB	-
	Multiband Adaptive Directionality	-	•
	Noise Reduction	-	•
	Speech Guard™	•	-
	Single Compression	-	•
Frequency lowering	Speech Rescue™	Speech Rescue™	
<b>Sound Quality</b>	Fitting Bandwidth*	8 kHz	8 kHz
	Bass Boost (streaming)	•	•
	Processing Channels	48	48
<b>Listening Comfort</b>	Feedback Management	SuperShield & Feedback shield	SuperShield & Feedback shield
	Transient Noise Management	On/Off	-
	Wind Noise Management	•	•
<b>Personalisation &amp; Optimising Fitting</b>	Fitting Bands	14	12
	Multiple Directionality options	•	•
	Adaptation Management	•	•
	Oticon Firmware Updater	•	•
	Fitting Formulas	NAL-NL1/NAL-NL2, DSL 5.0	NAL-NL1/NAL-NL2, DSL 5.0
<b>Connecting to the world</b>	Hands-free communication**	•	•
	Direct streaming***	•	•
	Oticon ON app & Oticon RemoteCare app	•	•
	ConnectClip	•	•
	EduMic	•	•
	Remote Control 3.0	•	•
	TV Adapter 3.0	•	•
	Phone Adapter 2.0	•	•
Tinnitus SoundSupport™	•	•	
CROS/BiCROS support	•	•	

\*Bandwidth accessible for gain adjustments during fitting

\*\*Available for Oticon Zircon from FW 1.1 with selected iPhone and iPad models

\*\*\*From compatible iPhone®, iPad®, iPod touch®, and selected Android™ devices

### 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 should not exceed the below limits for extended periods during transportation and storage.

#### Transportation

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

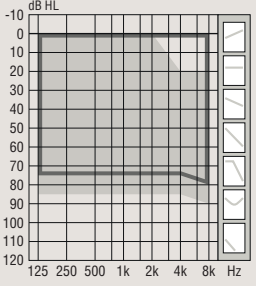

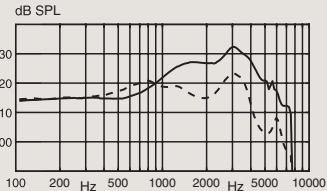
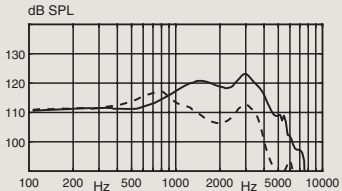
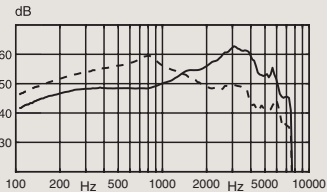
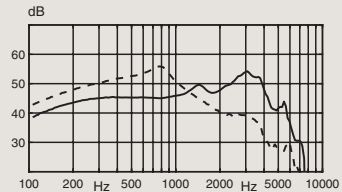
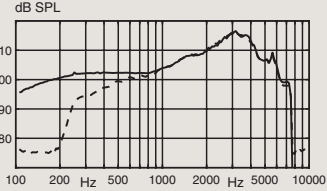
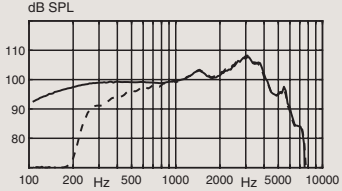
#### Storage

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

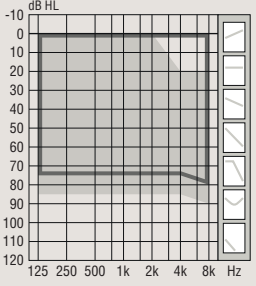
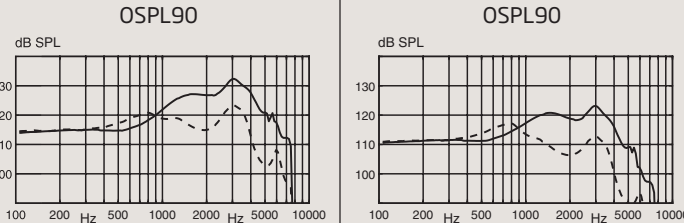
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For information on compatibility, please visit [www.oticon.com.au/compatibility](http://www.oticon.com.au/compatibility)

		<b>Ear Simulator</b> Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	<b>2CC Coupler</b> Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
 <p>85</p>  <p>Hook</p> <p>Corda minifit</p> <p><b>Technical information</b> Omnidirectional mode is used unless otherwise stated.</p>		<b>OSPL90</b> 	<b>OSPL90</b> 
		<b>Full-on gain</b>  <p>— Standard tube - - - Thin tube (size 0.9)</p>	<b>Full-on gain</b>  <p>— Standard tube - - - Thin tube (size 0.9)</p>
		<b>Frequency response</b>  <p>— Acoustic input: 60 dB SPL - - - Magnetic input: 31.6 mA/m</p>	<b>Frequency response</b>  <p>— Acoustic input: 60 dB SPL - - - Magnetic input: 31.6 mA/m</p>
OSPL90	Peak	132 (123 <sup>1</sup> ) dB SPL	123 (117 <sup>1</sup> ) dB SPL
	1600 Hz	127 (116 <sup>1</sup> ) dB SPL	121 (108 <sup>1</sup> ) dB SPL
	HFA-OSPL90	126 (118 <sup>1</sup> ) dB SPL	119 (110 <sup>1</sup> ) dB SPL
Full-on gain <sup>2</sup>	Peak	63 (59 <sup>1</sup> ) dB	54 (56 <sup>1</sup> ) dB
	1600 Hz	55 (52 <sup>1</sup> ) dB	48 (44 <sup>1</sup> ) dB
	HFA-FOG	55 (52 <sup>1</sup> ) dB	48 (44 <sup>1</sup> ) dB
Reference test gain		48 dB	42 dB
Frequency range		100-7500 Hz	100-7300 Hz
Telecoil output (1600 Hz)	1 mA/m field	86 dB SPL	-
	10 mA/m field	106 dB SPL	-
	SPLITS L/R	-	100/100 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	< 4 %	< 4 %
	800 Hz	< 4 %	< 3 %
	1600 Hz	< 2 %	< 2 %
Equivalent input noise level	Omni	18 dB SPL	17 dB SPL
	Dir	28 dB SPL	29 dB SPL
Battery consumption <sup>3</sup>	Typical	1.9 mA	2.0 mA
	Quiescent	1.9 mA	1.9 mA
Battery life, artificial measurement, hours <sup>4</sup>		95	90
Expected battery life, hours (battery size 312 - IEC PR41) <sup>5</sup>		50-55	

1) For instruments fitted with Corda miniFit  
 2) Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without influence of feedback.  
 3) Battery current is measured according to IEC 60118-0:1983/AMD1:1994 §7.11, IEC 60118-0:2015 §7.7 and ANSI S3.22:2014 §6.13 after a settling time of minimum 3 minutes.  
 4) Based on the standardised battery consumption measurement (IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.  
 5) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).

		<b>Ear Simulator</b> Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	<b>2CC Coupler</b> Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
 Hook Corda minifit		 <b>OSPL90</b> dB SPL 100 110 120 130 100 200 Hz 500 1000 2000 Hz 5000 10000	
<b>Technical information</b> Omnidirectional mode is used unless otherwise stated.		<b>Full-on gain</b> dB 30 40 50 60 100 200 Hz 500 1000 2000 Hz 5000 10000 — Standard tube - - - Thin tube (size 0.9)	
		<b>Frequency response</b> dB SPL 80 90 100 110 100 200 Hz 500 1000 2000 Hz 5000 10000 — Acoustic input: 60 dB SPL - - - Magnetic input: 31.6 mA/m	
OSPL90	Peak 1600 Hz HFA-OSPL90	132 (123 <sup>1</sup> ) dB SPL 127 (116 <sup>1</sup> ) dB SPL 126 (118 <sup>1</sup> ) dB SPL	123 (117 <sup>1</sup> ) dB SPL 121 (108 <sup>1</sup> ) dB SPL 119 (110 <sup>1</sup> ) dB SPL
Full-on gain <sup>2</sup>	Peak 1600 Hz HFA-FOG	63 (59 <sup>1</sup> ) dB 55 (52 <sup>1</sup> ) dB 55 (52 <sup>1</sup> ) dB	54 (56 <sup>1</sup> ) dB 48 (44 <sup>1</sup> ) dB 48 (44 <sup>1</sup> ) dB
Reference test gain		48 dB	42 dB
Frequency range		100-7500 Hz	100-7300 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	86 dB SPL 106 dB SPL -	- - 100/100 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	< 4 % < 4 % < 2 %	< 4 % < 3 % < 2 %
Equivalent input noise level	Omni Dir	18 dB SPL 28 dB SPL	17 dB SPL 29 dB SPL
Battery consumption <sup>3</sup>	Typical Quiescent	1.9 mA 1.9 mA	2.0 mA 1.9 mA
Battery life, artificial measurement, hours <sup>4</sup>		95	90
Expected battery life, hours (battery size 312 - IEC PR41) <sup>5</sup>		50-55	

1) For instruments fitted with Corda miniFit  
 2) Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without influence of feedback.  
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