



60 85 100 105

	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 models

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

#### Operating and charging conditions

Temperature: +5°C to +40°C (41°F to 104°F)  
Relative humidity: 5% to 93%, 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.

#### Transport

Temperature: -20°C to +60°C (-4°F to 140°F)  
Relative humidity: 5% to 93%, non-condensing  
Atmospheric pressure: 700 hPa to 1060 hPa

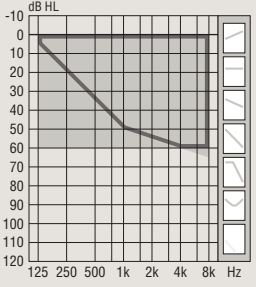

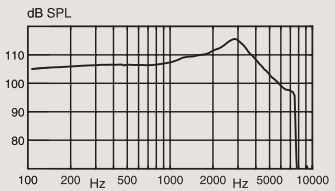
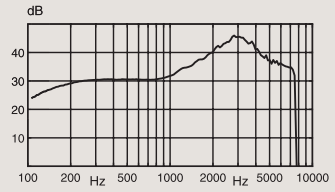
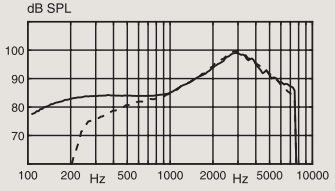
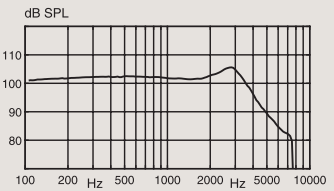
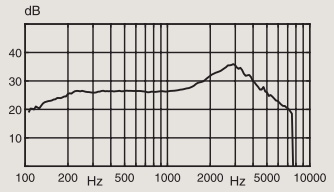
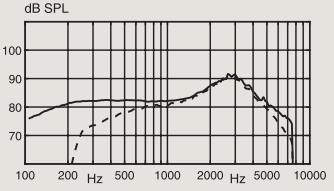
#### Storage

Temperature: -20°C to +30°C (-4°F to 86°F)  
Relative humidity: 5% to 93%, non-condensing  
Atmospheric pressure: 700 hPa to 1060 hPa

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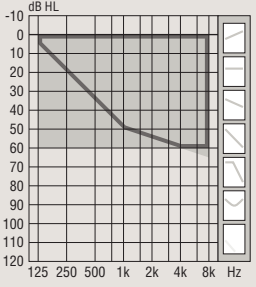



For information on compatibility, please visit [www.oticon.com.au/compatibility](http://www.oticon.com.au/compatibility)

		Ear Simulator 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	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006	
 <p>60</p>  <p> <input checked="" type="checkbox"/> Mould, Bass &amp; Power dome  <input type="checkbox"/> OpenBass dome         </p> <p><b>Technical information</b> Omnidirectional mode is used unless otherwise stated.</p> <p> <input checked="" type="checkbox"/> Acoustic input: 60 dB SPL  <input type="checkbox"/> Magnetic input: 31.6 mA/m         </p>		<p><b>OSPL90</b></p>  <p><b>Full-on gain</b></p>  <p><b>Frequency response</b></p> 	<p><b>OSPL90</b></p>  <p><b>Full-on gain</b></p>  <p><b>Frequency response</b></p> 	
	OSPL90	Peak 1600 Hz HFA-OSPL90	116 dB SPL 110 dB SPL 110 dB SPL	106 dB SPL 102 dB SPL 103 dB SPL
	Full-on gain <sup>1</sup>	Peak 1600 Hz HFA-FOG	46 dB 37 dB 38 dB	36 dB 29 dB 30 dB
	Reference test gain		31 dB	26 dB
Frequency range		100-7500 Hz	100-7500 Hz	
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	68 dB SPL 88 dB SPL -	- - 83/83 dB SPL	
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	<2 % <3 % <2 %	<2 % <2 % <2 %	
Equivalent input noise level	Omni Dir	19 dB SPL 26 dB SPL	17 dB SPL 29 dB SPL	
Battery		Lithium-Ion	Lithium-Ion	
Expected operating time, hours <sup>2</sup>		24		

1) 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.

2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

		<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>60</p>  <p>■ Mould, Bass &amp; Power dome □ OpenBass dome</p> <p><b>Technical information</b> Omnidirectional mode is used unless otherwise stated.</p> <p>— Acoustic input: 60 dB SPL - - - Magnetic input: 31.6 mA/m</p>		<b>OSPL90</b>	<b>OSPL90</b>
		<b>Full-on gain</b>	<b>Full-on gain</b>
		<b>Frequency response</b>	<b>Frequency response</b>
			Peak 116 dB SPL 1600 Hz 110 dB SPL HFA-OSPL90 110 dB SPL
		Peak 46 dB 1600 Hz 37 dB HFA-FOG 38 dB	Peak 36 dB 29 dB 30 dB
		Reference test gain 31 dB	26 dB
		Frequency range 100-7500 Hz	100-7500 Hz
	1 mA/m field	68 dB SPL	-
	10 mA/m field	88 dB SPL	-
	SPLITS L/R	-	83/83 dB SPL
	500 Hz	< 2 %	< 2 %
	800 Hz	< 3 %	< 2 %
	1600 Hz	< 2 %	< 2 %
	Omni	19 dB SPL	17 dB SPL
	Dir	26 dB SPL	29 dB SPL
	Battery	Lithium-Ion	Lithium-Ion
	Expected operating time, hours <sup>2</sup>	24	

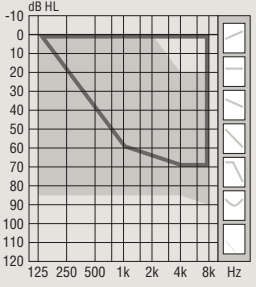

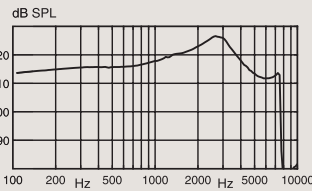
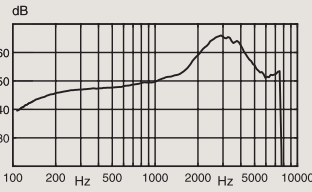
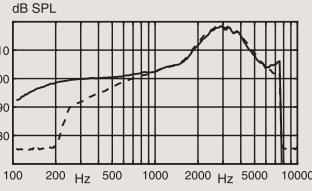
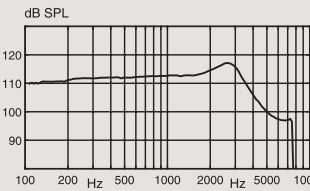
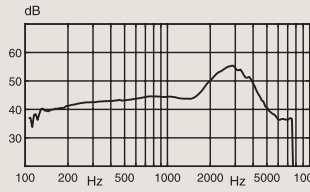
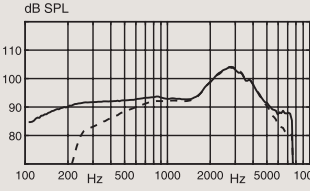
1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.

2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

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<p><b>85</b></p> <p>Technical information Omnidirectional mode is used unless otherwise stated.</p>		<p><b>OSPL90</b></p>	<p><b>OSPL90</b></p>
		<p><b>Full-on gain</b></p>	<p><b>Full-on gain</b></p>
	<p><b>Frequency response</b></p> <p>— Acoustic input: 60 dB SPL - - - Magnetic input: 31.6 mA/m</p>	<p><b>Frequency response</b></p>	
OSPL90	Peak	127 dB SPL	117 dB SPL
	1600 Hz	121 dB SPL	113 dB SPL
	HFA-OSPL90	122 dB SPL	114 dB SPL
Full-on gain <sup>1</sup>	Peak	66 dB	55 dB
	1600 Hz	53 dB	45 dB
	HFA-FOG	56 dB	48 dB
Reference test gain		46 dB	37 dB
Frequency range		100-7500 Hz	100-7500 Hz
Telecoil output (1600 Hz)	1 mA/m field	84 dB SPL	-
	10 mA/m field	104 dB SPL	-
	SPLITS L/R	-	94/94 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	< 2 %	< 2 %
	800 Hz	< 4 %	< 2 %
	1600 Hz	< 5 %	< 2 %
Equivalent input noise level	Omni	22 dB SPL	18 dB SPL
	Dir	29 dB SPL	27 dB SPL
Battery		Lithium-Ion	Lithium-Ion
Expected operating time, hours <sup>2</sup>		24	

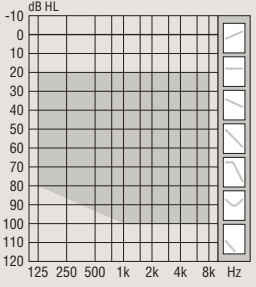

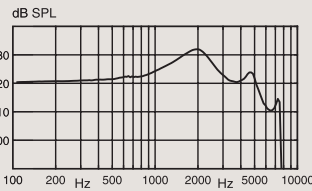
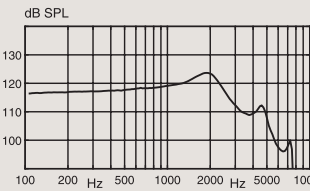
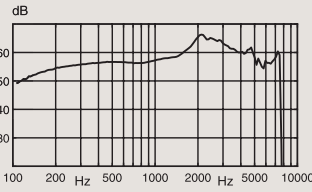
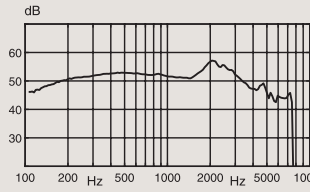
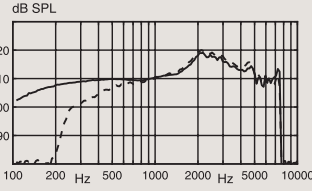
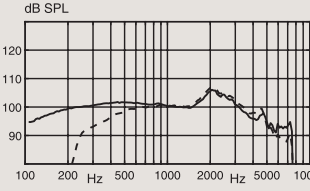
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 <p><b>85</b></p> <p>— Mould, Bass &amp; Power dome □ OpenBass dome</p> <p><b>Technical information</b> Omnidirectional mode is used unless otherwise stated.</p>		<p><b>OSPL90</b></p>  <p><b>Full-on gain</b></p>  <p><b>Frequency response</b></p>  <p>— Acoustic input: 60 dB SPL - - - Magnetic input: 31.6 mA/m</p>	<p><b>OSPL90</b></p>  <p><b>Full-on gain</b></p>  <p><b>Frequency response</b></p> 		
		OSPL90	Peak	127 dB SPL	117 dB SPL
			1600 Hz	121 dB SPL	113 dB SPL
			HFA-OSPL90	122 dB SPL	114 dB SPL
Full-on gain <sup>1</sup>	Peak	66 dB	55 dB		
	1600 Hz	53 dB	45 dB		
	HFA-FOG	56 dB	48 dB		
Reference test gain		46 dB	37 dB		
Frequency range		100-7500 Hz	100-7500 Hz		
Telecoil output (1600 Hz)	1 mA/m field	84 dB SPL	-		
	10 mA/m field	104 dB SPL	-		
	SPLITS L/R	-	94/94 dB SPL		
Total harmonic distortion (Input 70 dB SPL)	500 Hz	< 2 %	< 2 %		
	800 Hz	< 4 %	< 2 %		
	1600 Hz	< 5 %	< 2 %		
Equivalent input noise level	Omni	22 dB SPL	18 dB SPL		
	Dir	29 dB SPL	27 dB SPL		
Battery		Lithium-Ion	Lithium-Ion		
Expected operating time, hours <sup>2</sup>		24			

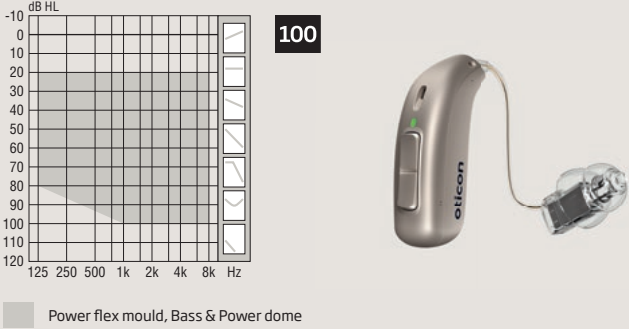
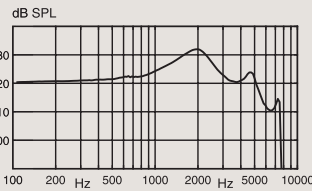
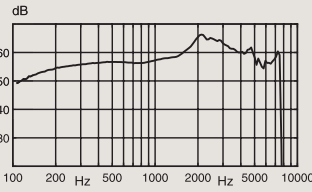
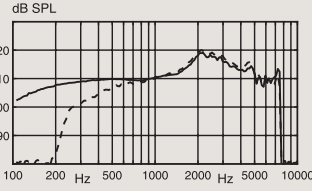
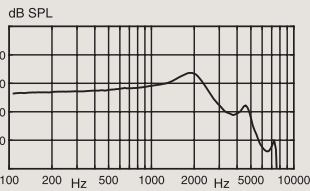
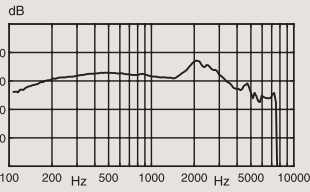
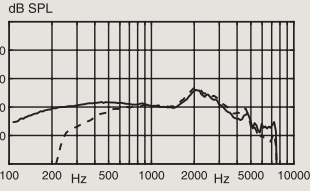
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 Power flex mould, Bass & Power dome		<b>OSPL90</b> 	<b>OSPL90</b> 
		<b>Full-on gain</b> 	<b>Full-on gain</b> 
<b>Technical information</b> Omnidirectional mode is used unless otherwise stated.		<b>Frequency response</b> 	<b>Frequency response</b> 
		— Acoustic input: 60 dB SPL - - - Magnetic input: 31.6 mA/m	
OSPL90	Peak	132 dB SPL	124 dB SPL
	1600 Hz	130 dB SPL	122 dB SPL
	HFA-OSPL90	127 dB SPL	120 dB SPL
Full-on gain <sup>1</sup>	Peak	66 dB	57 dB
	1600 Hz	60 dB	52 dB
	HFA-FOG	61 dB	53 dB
Reference test gain		53 dB	42 dB
Frequency range		100-7500 Hz	100-7500 Hz
Telecoil output (1600 Hz)	1 mA/m field	91 dB SPL	-
	10 mA/m field	111 dB SPL	-
	SPLITS L/R	-	100/100 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<9 %	<2 %
	800 Hz	<6 %	<2 %
	1600 Hz	<3 %	<2 %
Equivalent input noise level	Omni	17 dB SPL	17 dB SPL
	Dir	26 dB SPL	29 dB SPL
Battery		Lithium-Ion	Lithium-Ion
Expected operating time, hours <sup>2</sup>		24	

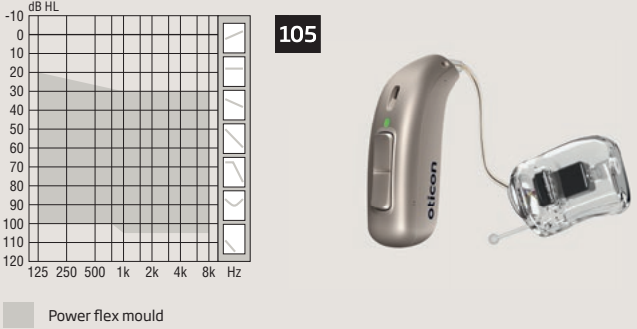
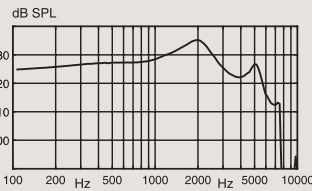
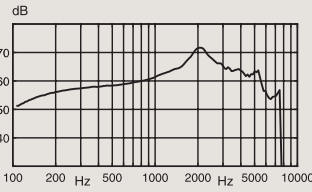
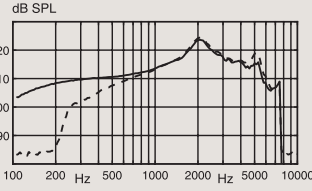
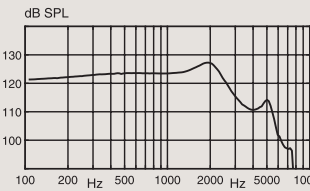
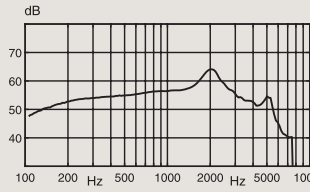
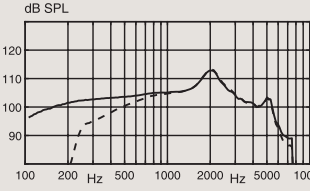
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 <p>100</p> <p>Power flex mould, Bass &amp; Power dome</p>		<p><b>OSPL90</b></p>  <p><b>Full-on gain</b></p>  <p><b>Frequency response</b></p> 	<p><b>OSPL90</b></p>  <p><b>Full-on gain</b></p>  <p><b>Frequency response</b></p> 
	<p><b>Technical information</b> Omnidirectional mode is used unless otherwise stated.</p> <p><b>Warning to the hearing aid dispenser</b> The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.</p> <p>— Acoustic input: 60 dB SPL - - - Magnetic input: 31.6 mA/m</p>		
OSPL90	Peak 1600 Hz HFA-OSPL90	132 dB SPL 130 dB SPL 127 dB SPL	124 dB SPL 122 dB SPL 120 dB SPL
Full-on gain <sup>1</sup>	Peak 1600 Hz HFA-FOG	66 dB 60 dB 61 dB	57 dB 52 dB 53 dB
Reference test gain		53 dB	42 dB
Frequency range		100-7500 Hz	100-7500 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	91 dB SPL 111 dB SPL -	- - 100/100 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	<9 % <6 % <3 %	<2 % <2 % <2 %
Equivalent input noise level	Omni Dir	17 dB SPL 26 dB SPL	17 dB SPL 29 dB SPL
Battery		Lithium-Ion	Lithium-Ion
Expected operating time, hours <sup>2</sup>		24	

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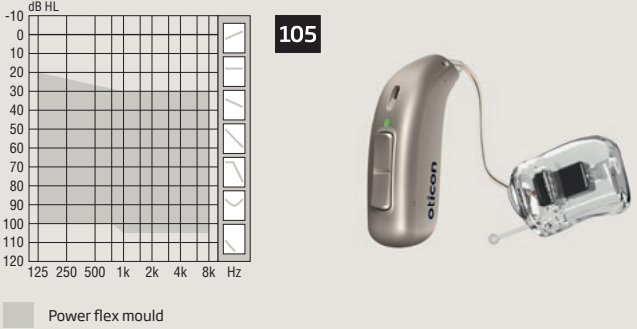
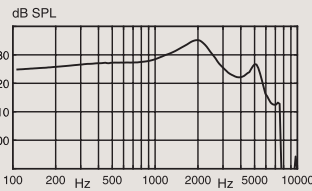
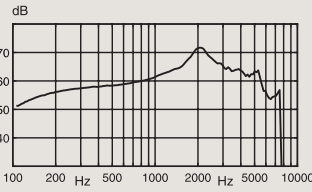
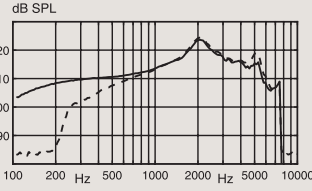
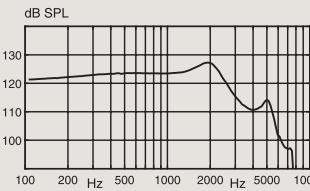
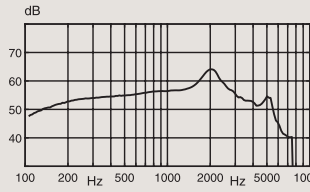
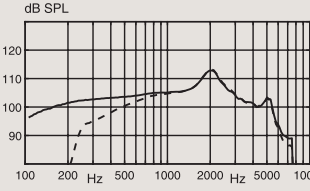
2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

		Ear Simulator 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	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
 <p><b>105</b></p> <p>Power flex mould</p> <p><b>Technical information</b> Omnidirectional mode is used unless otherwise stated.</p> <p><b>Warning to the hearing aid dispenser</b> The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.</p> <p>— Acoustic input: 60 dB SPL - - - Magnetic input: 31.6 mA/m</p>		<p><b>OSPL90</b></p>  <p><b>Full-on gain</b></p>  <p><b>Frequency response</b></p> 	<p><b>OSPL90</b></p>  <p><b>Full-on gain</b></p>  <p><b>Frequency response</b></p> 
OSPL90	Peak	135 dB SPL	127 dB SPL
	1600 Hz	133 dB SPL	126 dB SPL
	HFA-OSPL90	131 dB SPL	123 dB SPL
Full-on gain <sup>1</sup>	Peak	72 dB	64 dB
	1600 Hz	66 dB	59 dB
	HFA-FOG	65 dB	58 dB
Reference test gain		58 dB	47 dB
Frequency range		100-7500 Hz	100-7500 Hz
Telecoil output (1600 Hz)	1 mA/m field	96 dB SPL	-
	10 mA/m field	116 dB SPL	-
	SPLITS L/R	-	104/104 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<2 %	<2 %
	1600 Hz	<4 %	<2 %
Equivalent input noise level	Omni	16 dB SPL	16 dB SPL
	Dir	25 dB SPL	28 dB SPL
Battery		Lithium-Ion	Lithium-Ion
Expected operating time, hours <sup>2</sup>		24	

1) 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.

2) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.



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