

Technical data sheet

miniRITE T

60 85 100 105



	Oticon Opn S 1	Oticon Opn S 2	Oticon Opn S 3	
Speech Understanding	OpenSound Navigator™	Level 1	Level 2	Level 3
	- Balancing power effect	100%	50%	50%
	- Max. noise removal	9 dB	5 dB	3 dB
	OpenSound Optimizer™	•	•	•
	Speech Guard™ LX	Level 1	Level 2	Level 3
	Spatial Sound™ LX	4 estimators	2 estimators	2 estimators
	Soft Speech Booster LX	•	•	•
Sound Quality	Speech Rescue™ LX	•	•	•
	Clear Dynamics	•	•	-
	Spatial Noise Management	•	•	-
	Fitting Bandwidth*	10 KHz	8 KHz	8 KHz
	Processing Channels	64	48	48
Listening Comfort	Bass Boost (streaming)	•	•	•
	Transient Noise Management	4 configurations	On/Off	On/Off
	Feedback shield LX	•	•	•
Personalisation & Optimising Fitting	Wind Noise Management	•	•	•
	YouMatic™ LX	3 configurations	2 configurations	1 configuration
	Fitting Bands	16	14	12
	Multiple Directionality Options	•	•	•
	Adaptation Management	•	•	•
	Oticon Firmware Updater	•	•	•
Connecting to the World	Fitting Formulas	VAC+, NAL-NL1 + 2, DSL v5.0	VAC+, NAL-NL1 + 2, DSL v5.0	VAC+, NAL-NL1 + 2, DSL v5.0
	Stereo streaming (2.4 GHz)	•	•	•
	Oticon ON App	•	•	•
	ConnectClip	•	•	•
	Remote Control 3.0	•	•	•
	TV Adapter 3.0	•	•	•
	Phone Adapter 2.0	•	•	•
Tinnitus SoundSupport™	•	•	•	

* Bandwidth accessible for gain adjustments during fitting

Operating conditions

Temperature: +1°C to +40°C
Relative humidity: 5% to 93%, non-condensing

Storage and transportation conditions

Temperature and humidity should not exceed the following limits for extended periods during transportation and storage.
Temperature: -25°C to +60°C
Relative humidity: 5% to 93%, non-condensing

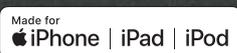
Oticon Opn S™ miniRITE T is a discreet style, based on the popular miniRITE, and features both telecoil and a convenient double push-button for easy volume and program control.

OpenSound Navigator™ helps users to select and understand speech in all types of environments by balancing the sound sources and attenuating noise.

OpenSound Optimizer™ improves users listening experience and comfort by blocking feedback and secure the targeted amplification of sound sources.

TwinLink™ wireless technology combines binaural communication and 2.4 GHz connectivity with stereo streaming directly from digital devices.

Oticon Opn S is built on the powerful Velox S™ platform which has a programmable firmware architecture, supporting future performance updates.

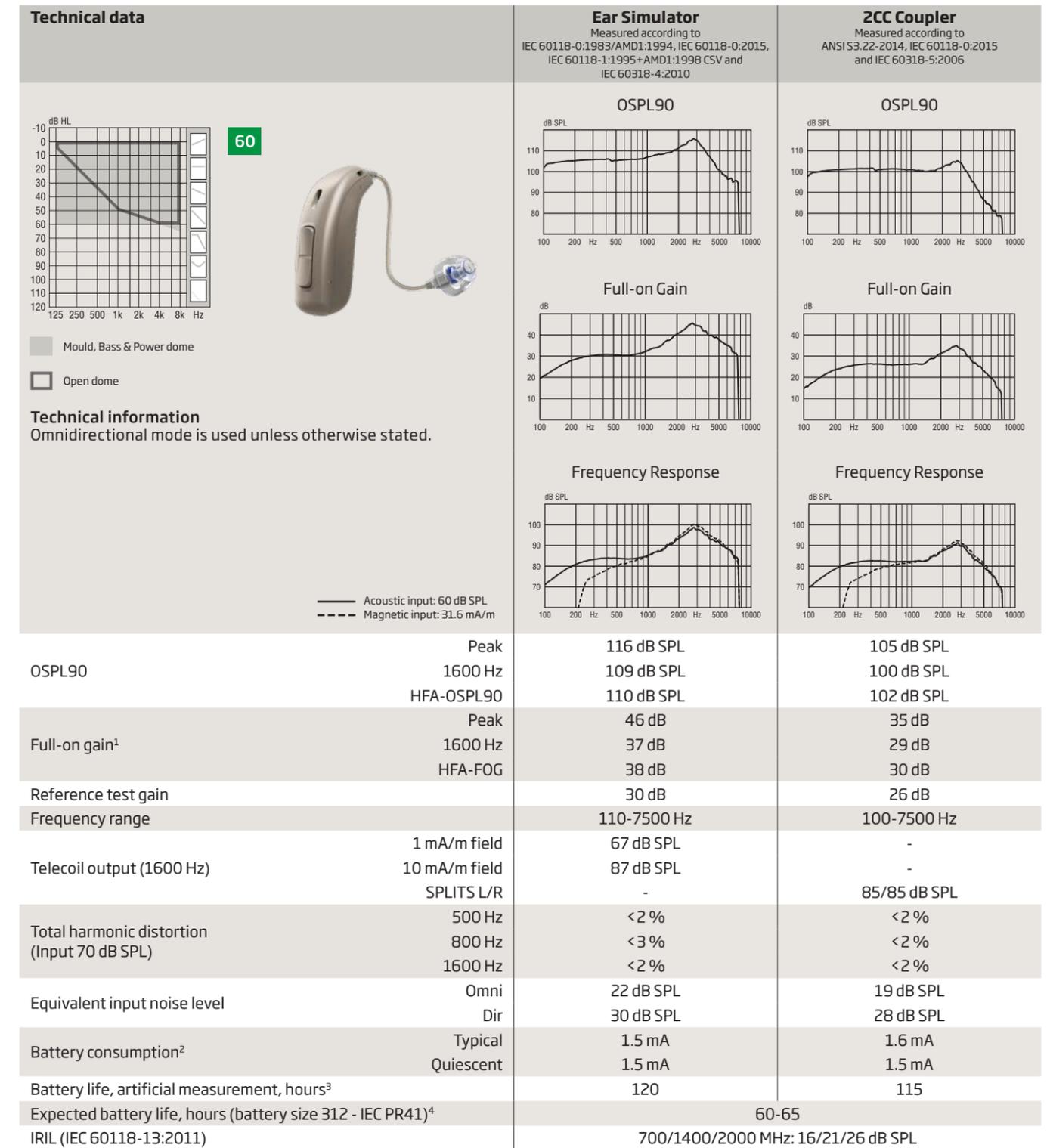
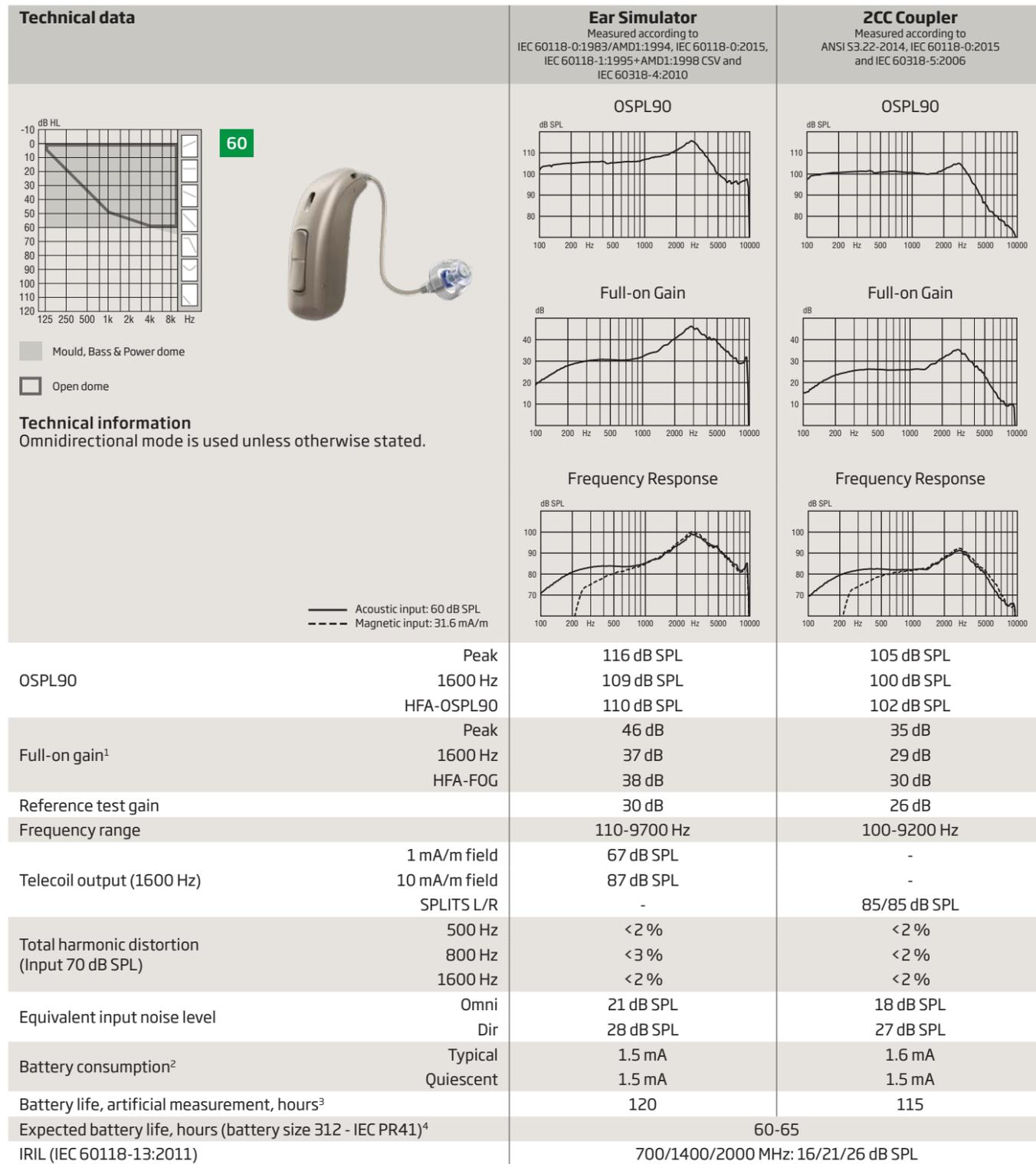


Oticon Opn S 1

miniRITE T 60

Oticon Opn S 2 & 3

miniRITE T 60



1) 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.

2) 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.

3) 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.

4) 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).

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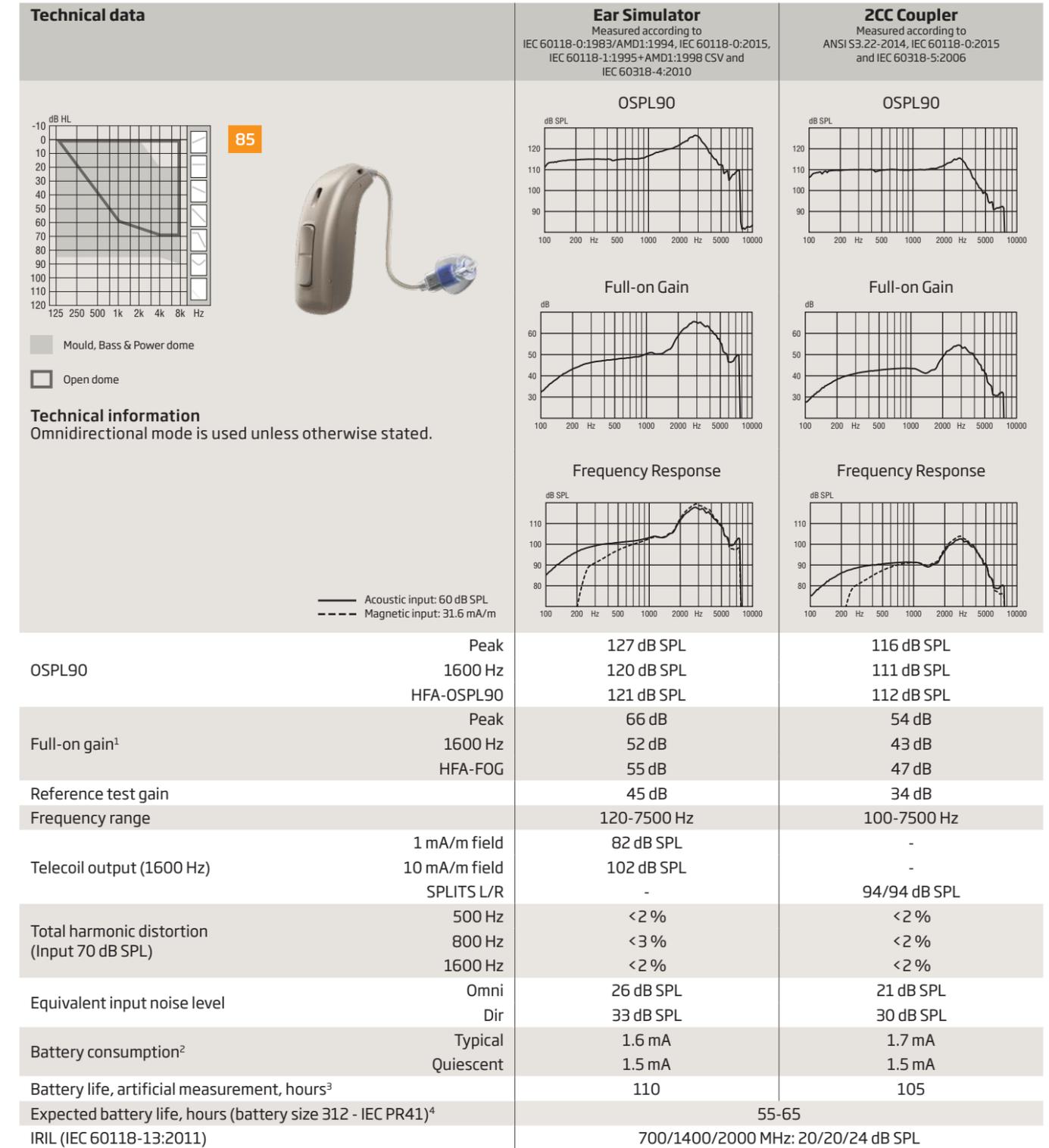
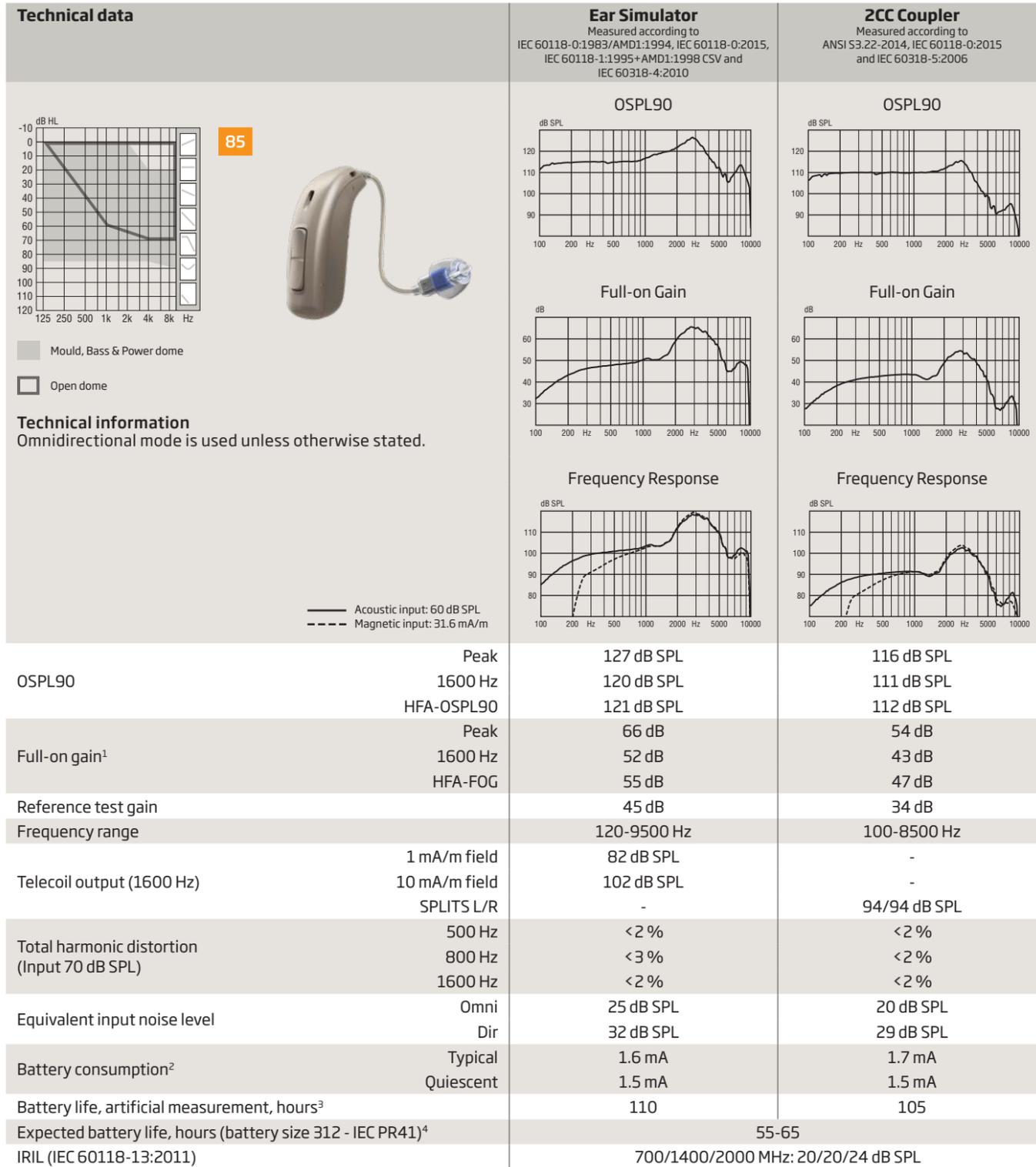
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Oticon Opn S 1

miniRITE T 85

Oticon Opn S 2 & 3

miniRITE T 85



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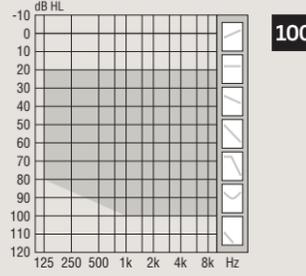
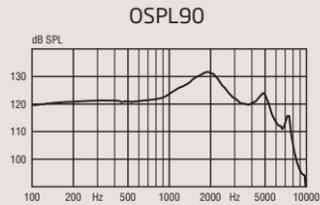
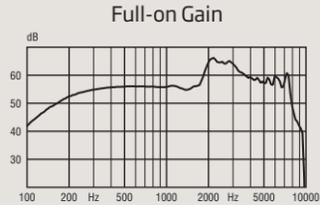
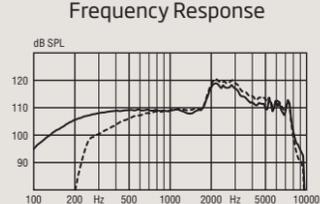
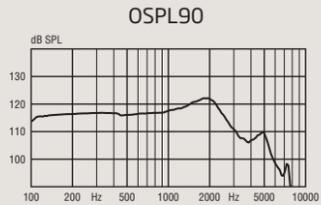
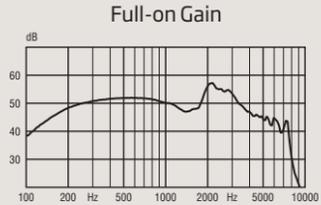
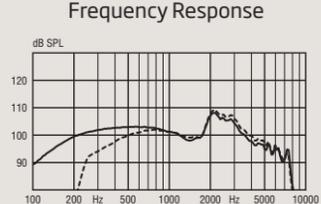
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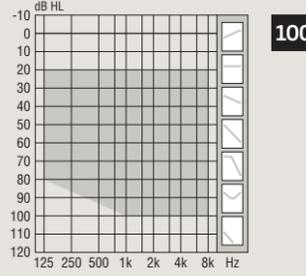
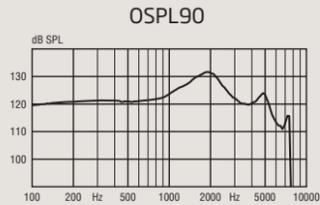
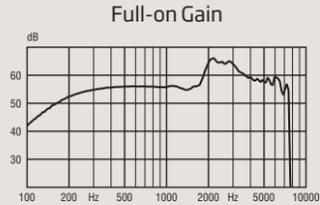
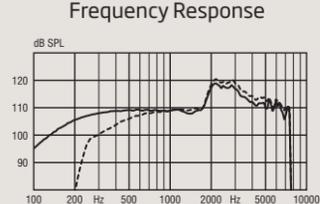
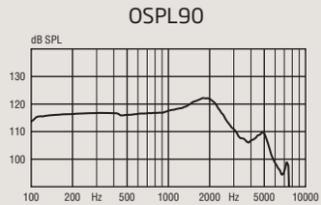
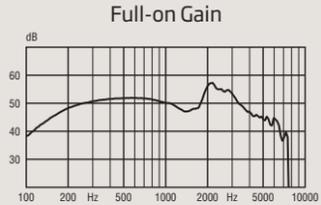
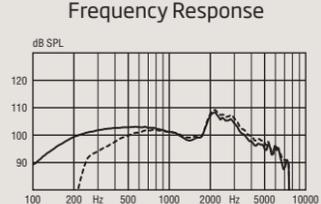
Oticon Opn S 1

miniRITE T 100

Oticon Opn S 2 & 3

miniRITE T 100

Technical data		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	ZCC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
  <p>Power flex mould, Bass & Power dome</p>		  	  
Technical information Omnidirectional mode is used unless otherwise stated.		Instrument warning The maximum output capability of the hearing instrument may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the instrument as there may be risk of impairing the remaining hearing of the hearing aid user.	
		Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m
OSPL90	Peak 1600 Hz HFA-OSPL90	132 dB SPL 130 dB SPL 127 dB SPL	122 dB SPL 121 dB SPL 118 dB SPL
Full-on gain ¹	Peak 1600 Hz HFA-FOG	66 dB 56 dB 59 dB	57 dB 48 dB 51 dB
Reference test gain		49 dB	42 dB
Frequency range		100-8500 Hz	100-8000 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	86 dB SPL 106 dB SPL -	- - 103/103 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	<7 % <4 % <2 %	<2 % <2 % <2 %
Equivalent input noise level	Omni Dir	23 dB SPL 32 dB SPL	19 dB SPL 30 dB SPL
Battery consumption ²	Typical Quiescent	1.5 mA 1.5 mA	1.7 mA 1.5 mA
Battery life, artificial measurement, hours ³		115	105
Expected battery life, hours (battery size 312 - IEC PR41) ⁴ IRIL (IEC 60118-13:2011)		50-65 700/1400/2000 MHz: 18/21/28 dB SPL	50-65 700/1400/2000 MHz: 18/21/28 dB SPL

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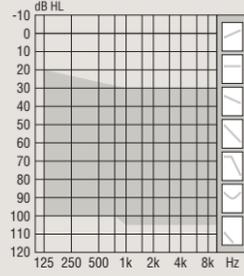
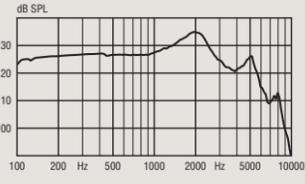
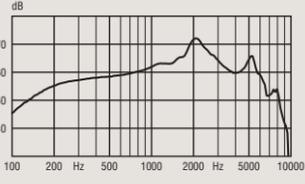
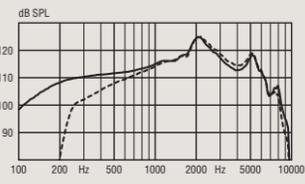
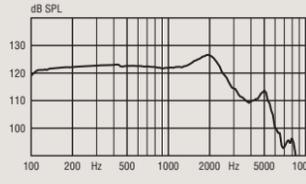
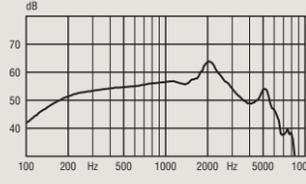
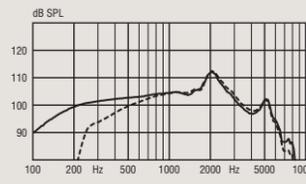
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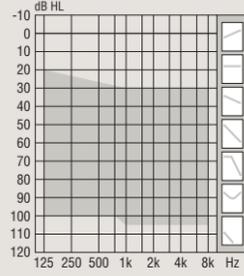
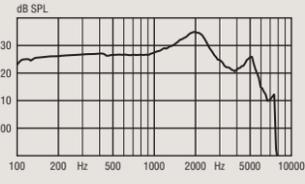
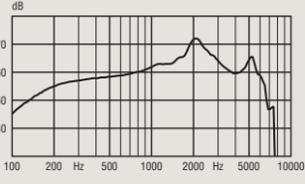
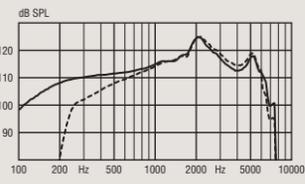
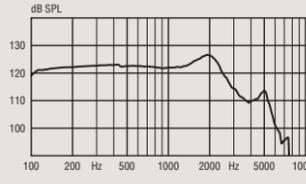
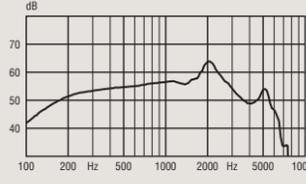
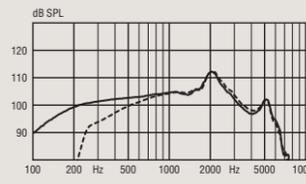
Oticon Opn S 1

miniRITE T 105

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Battery life, artificial measurement, hours ³		110	105																																																																																																																																																								
Expected battery life, hours (battery size 312 - IEC PR41) ⁴		45-65																																																																																																																																																									
IRIL (IEC 60118-13:2011)		700/1400/2000 MHz: 38/18/39 dB SPL																																																																																																																																																									

1) 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.
 2) 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.
 3) 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.
 4) 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).

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Oticon A/S
Kongebakken 9
2765 Smørum
Denmark
+45 3917 7100

