

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	•	•	•
Personalization & Optimizing 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

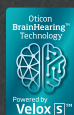
Oticon Opn S™ miniRITE offers discreet design with 312 battery and single push button.

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 securing 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.

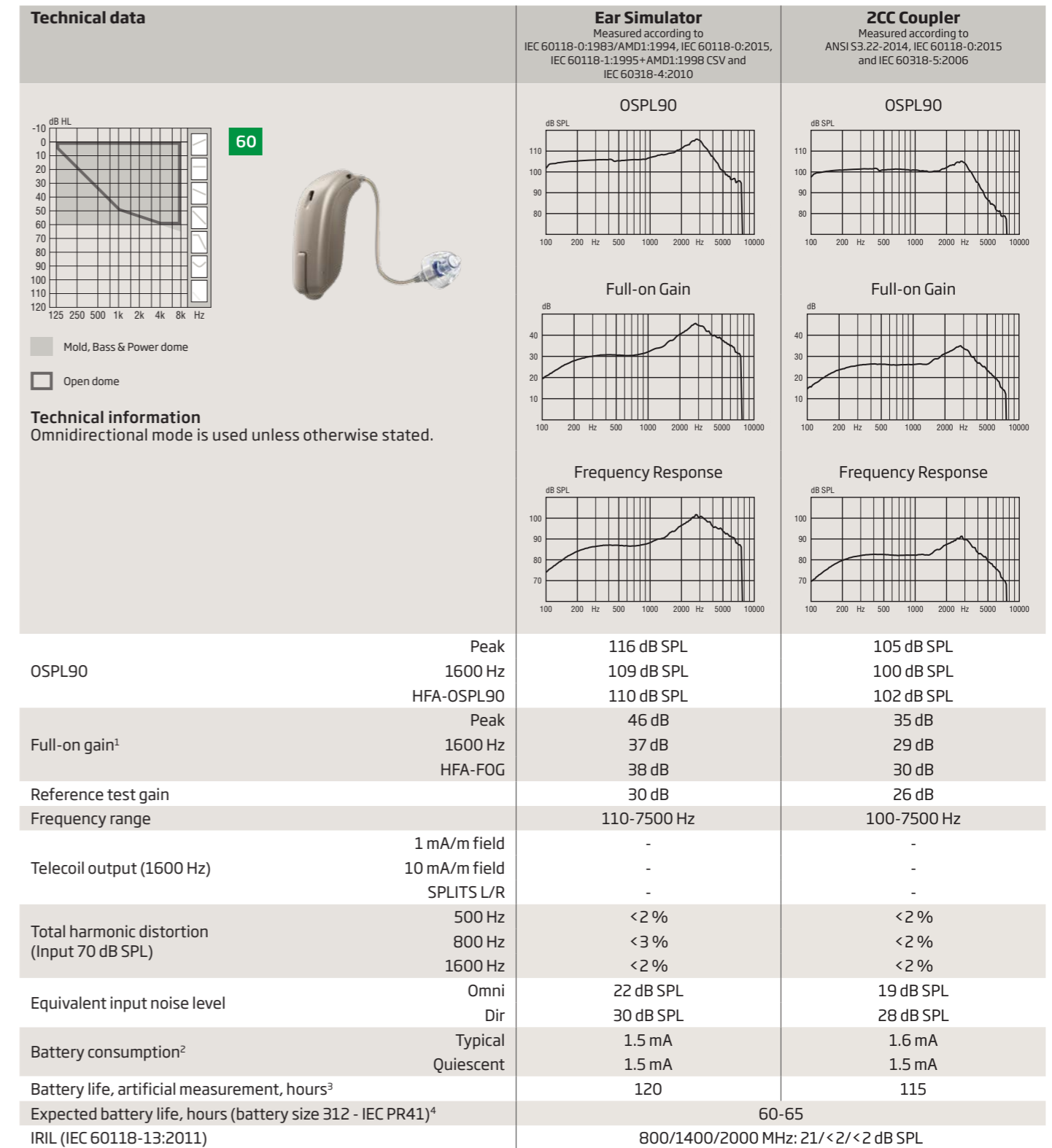
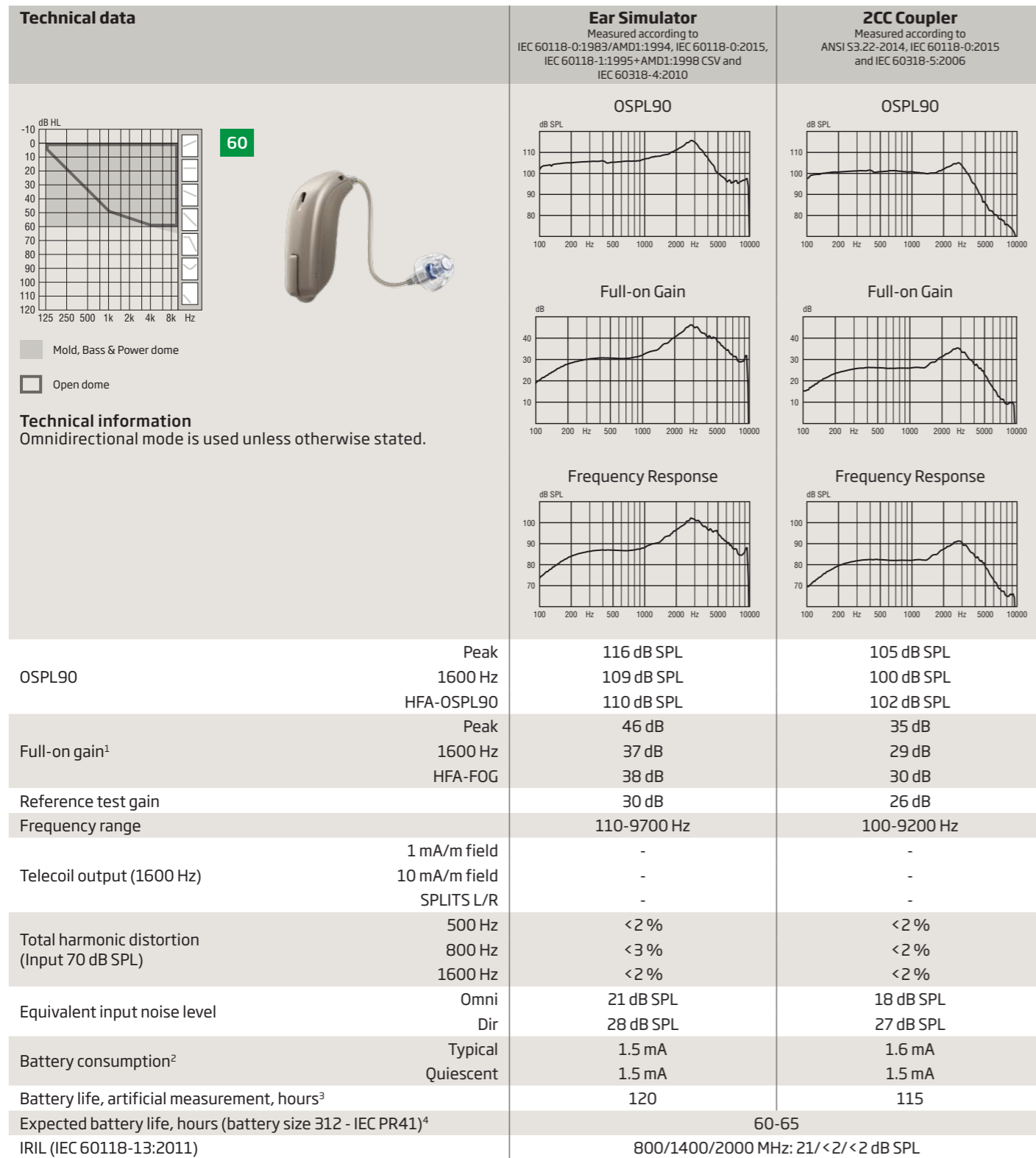


# Oticon Opn S 1

# miniRITE 60

# Oticon Opn S 2 & 3

# miniRITE 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 standardized 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).

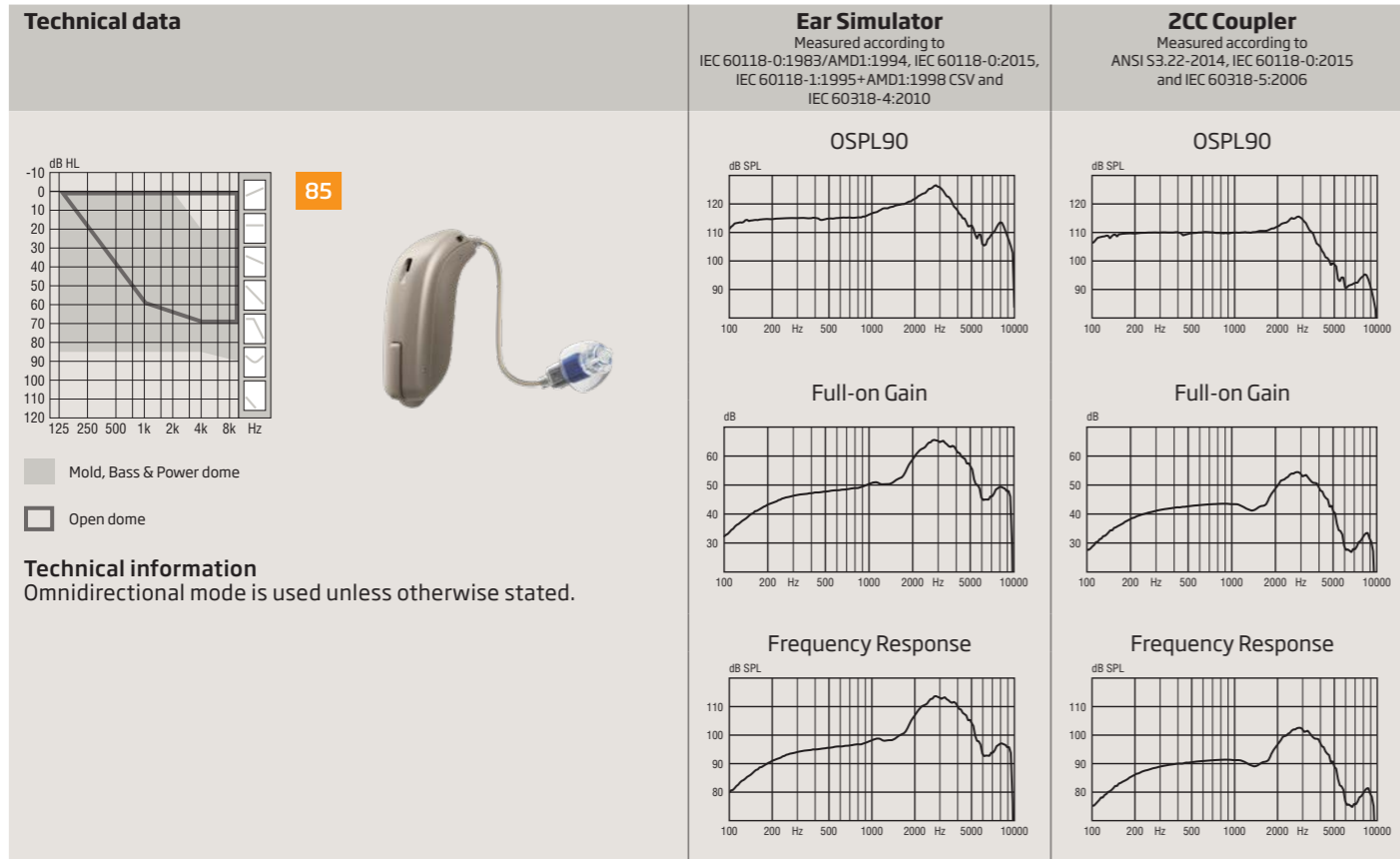
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# Oticon Opn S 1

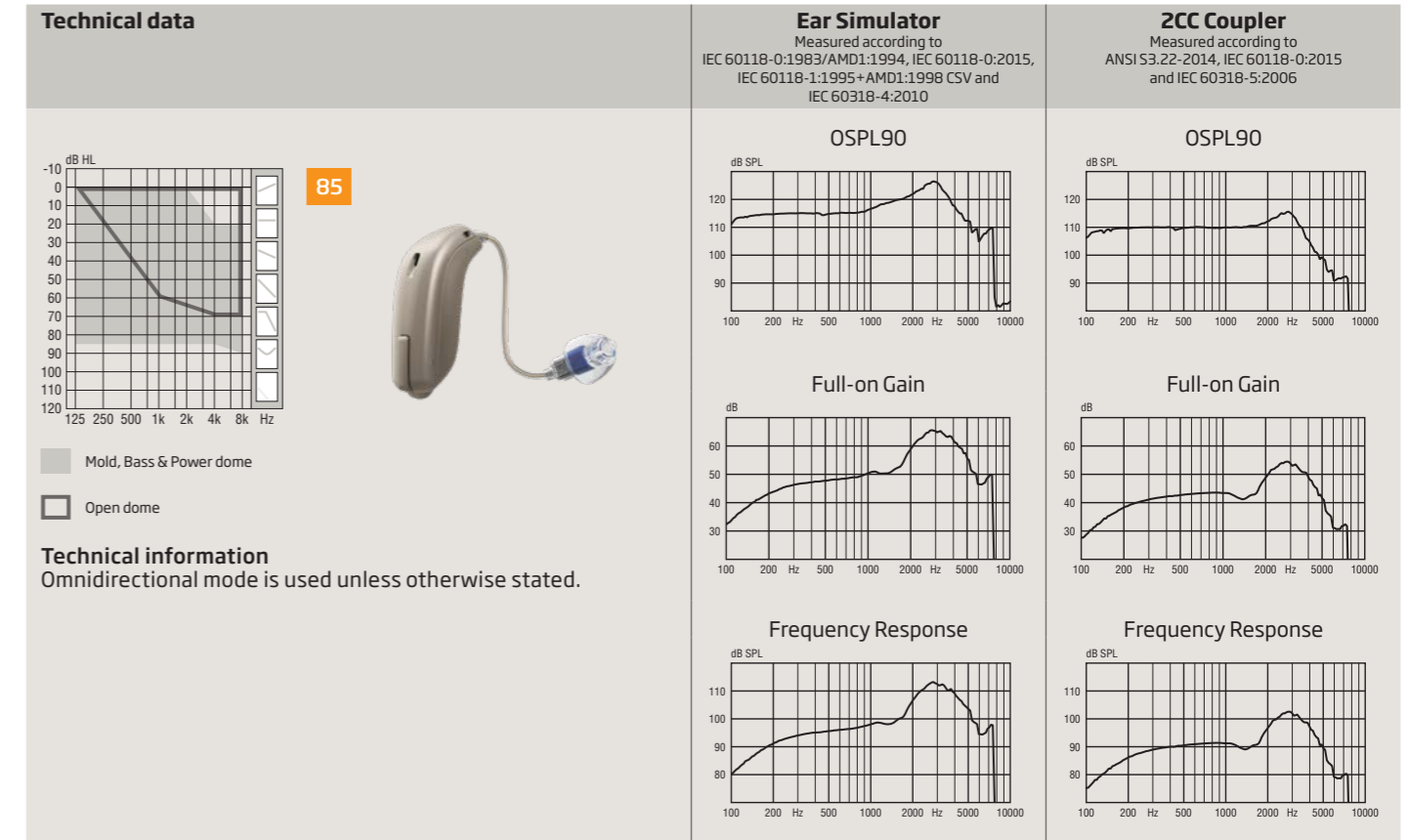
# miniRITE 85

# Oticon Opn S 2 & 3

# miniRITE 85



OSPL90	Peak 1600 Hz HFA-OSPL90	127 dB SPL 120 dB SPL 121 dB SPL	116 dB SPL 111 dB SPL 112 dB SPL
Full-on gain <sup>1</sup>	Peak 1600 Hz HFA-FOG	66 dB 52 dB 55 dB	54 dB 43 dB 47 dB
Reference test gain		45 dB	34 dB
Frequency range		120-9500 Hz	100-8500 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	- - -	- - -
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	25 dB SPL 32 dB SPL	20 dB SPL 29 dB SPL
Battery consumption <sup>2</sup>	Typical Quiescent	1.6 mA 1.5 mA	1.7 mA 1.5 mA
Battery life, artificial measurement, hours <sup>3</sup>		110	105
Expected battery life, hours (battery size 312 - IEC PR41) <sup>4</sup>		55-65	
IRIL (IEC 60118-13:2011)		800/1400/2000 MHz: 31/<15/<15 dB SPL	



OSPL90	Peak 1600 Hz HFA-OSPL90	127 dB SPL 120 dB SPL 121 dB SPL	116 dB SPL 111 dB SPL 112 dB SPL
Full-on gain <sup>1</sup>	Peak 1600 Hz HFA-FOG	66 dB 52 dB 55 dB	54 dB 43 dB 47 dB
Reference test gain		45 dB	34 dB
Frequency range		120-7500 Hz	100-7500 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	- - -	- - -
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	26 dB SPL 33 dB SPL	21 dB SPL 30 dB SPL
Battery consumption <sup>2</sup>	Typical Quiescent	1.6 mA 1.5 mA	1.7 mA 1.5 mA
Battery life, artificial measurement, hours <sup>3</sup>		110	105
Expected battery life, hours (battery size 312 - IEC PR41) <sup>4</sup>		55-65	
IRIL (IEC 60118-13:2011)		800/1400/2000 MHz: 31/<15/<15 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.  
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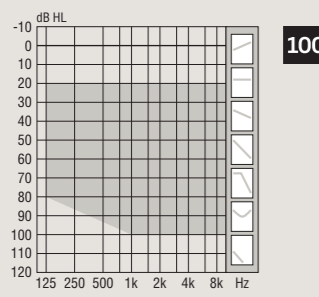

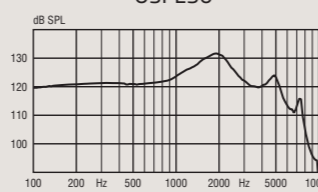
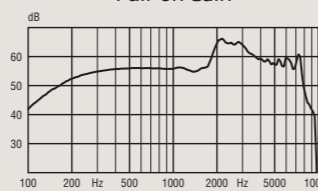
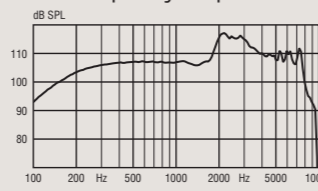
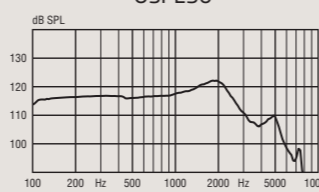
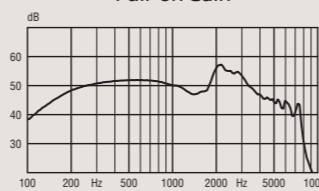
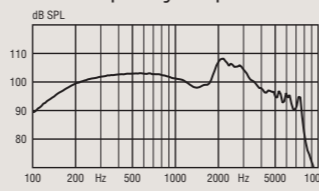
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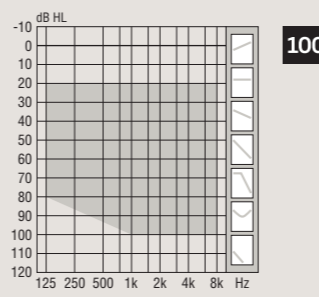

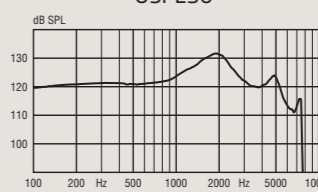
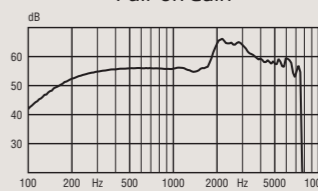
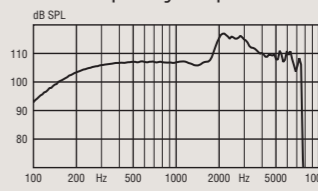
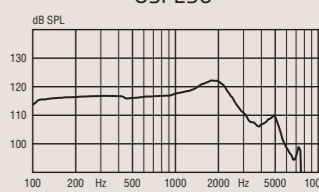
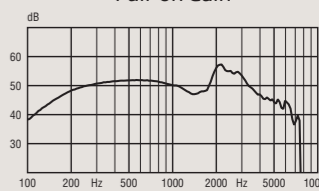
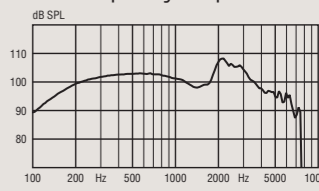
# Oticon Opn S 1

# miniRITE 100

# Oticon Opn S 2 & 3

# miniRITE 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 Receiver Mold, Bass &amp; Power dome</p>		  	  
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 <sup>1</sup>	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	- - -	- - -
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 <sup>2</sup>	Typical Quiescent	1.5 mA 1.5 mA	1.7 mA 1.5 mA
Battery life, artificial measurement, hours <sup>3</sup>		115	105
Expected battery life, hours (battery size 312 - IEC PR41) <sup>4</sup> IRIL (IEC 60118-13:2011)		50-65 800/1400/2000 MHz: 25/<20/<20 dB SPL	

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 Receiver Mold, Bass &amp; Power dome</p>		  	  
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 <sup>1</sup>	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		100-7500 Hz	100-7500 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	- - -	- - -
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 <sup>2</sup>	Typical Quiescent	1.5 mA 1.5 mA	1.7 mA 1.5 mA
Battery life, artificial measurement, hours <sup>3</sup>		115	105
Expected battery life, hours (battery size 312 - IEC PR41) <sup>4</sup> IRIL (IEC 60118-13:2011)		50-65 800/1400/2000 MHz: 25/<20/<20 dB SPL	

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# Oticon Opn S 1

# miniRITE 105

# Oticon Opn S 2 & 3

# miniRITE 105

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
OSPL90	Peak 1600 Hz HFA-OSPL90	135 dB SPL 132 dB SPL 130 dB SPL	127 dB SPL 125 dB SPL 122 dB SPL
Full-on gain <sup>1</sup>	Peak 1600 Hz HFA-FOG	72 dB 65 dB 65 dB	64 dB 57 dB 57 dB
Reference test gain		58 dB	46 dB
Frequency range		100-8200 Hz	100-7800 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	- - -	- - -
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	<2 % <2 % <3 %	<2 % <2 % <2 %
Equivalent input noise level	Omni Dir	18 dB SPL 28 dB SPL	18 dB SPL 29 dB SPL
Battery consumption <sup>2</sup>	Typical Quiescent	1.6 mA 1.5 mA	1.7 mA 1.5 mA
Battery life, artificial measurement, hours <sup>3</sup>		110	105
Expected battery life, hours (battery size 312 - IEC PR41) <sup>4</sup>		45-65	
IRIL (IEC 60118-13:2011)		800/1400/2000 MHz: 31/<16/<16 dB SPL	

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
OSPL90	Peak 1600 Hz HFA-OSPL90	135 dB SPL 132 dB SPL 130 dB SPL	127 dB SPL 125 dB SPL 122 dB SPL
Full-on gain <sup>1</sup>	Peak 1600 Hz HFA-FOG	72 dB 65 dB 65 dB	64 dB 57 dB 57 dB
Reference test gain		58 dB	46 dB
Frequency range		100-7500 Hz	100-6500 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	- - -	- - -
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	<2 % <2 % <3 %	<2 % <2 % <2 %
Equivalent input noise level	Omni Dir	18 dB SPL 28 dB SPL	18 dB SPL 29 dB SPL
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IRIL (IEC 60118-13:2011)		800/1400/2000 MHz: 31/<16/<16 dB SPL	

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