

Technical data sheet

miniRITE 85 / miniRITE T 85



Oticon Opn™ miniRITE is a discreet design with a smart single push button.

Oticon Opn miniRITE T is a discreet style based on the popular miniRITE. It features a telecoil and a convenient double push button for easy operation of the volume and program controls.

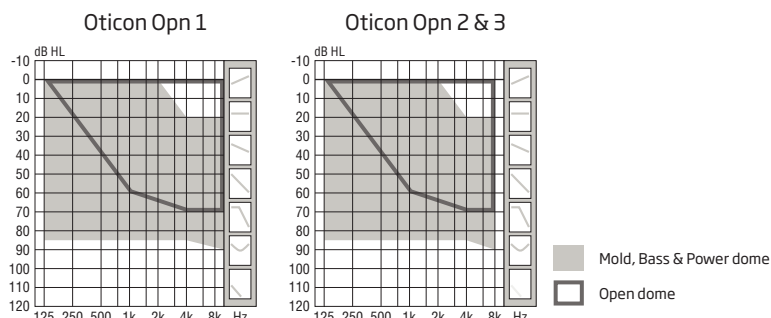
OpenSound Navigator™ provides better speech understanding by continuously analyzing the environment, balancing all sound sources and attenuating the dominating noise.

TwinLink™ wireless technology combines binaural communication and 2.4 GHz connectivity in stereo directly to external digital devices with very low power consumption.

Oticon Opn is a Made for iPhone® hearing aid.

Oticon Opn is built on the new Velox platform, providing frequency resolution in 64 channels (Opn 1).

Fully programmable with updatable firmware, the Velox™ platform is ready for the future.



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	Oticon Opn 1	Oticon Opn 2	Oticon Opn 3
Speech Understanding	OpenSound Navigator™	Level 1	Level 2
	- Balancing power effect	100%	50%
	- Max. noise removal	9 dB	5 dB
	Speech Guard™ LX	Level 1	Level 2
	Spatial Sound™ LX	4 estimators	2 estimators
	Soft Speech Booster LX	•	•
	Speech Rescue™ LX	•	•
Sound Quality	Clear Dynamics	•	-
	Binaural Noise Management	•	-
	Fitting Bandwidth*	10 KHz	8 KHz
	Processing Channels	64	48
	Bass Boost (streaming)	•	•
Listening Comfort	Transient Noise Management	4 configurations	On/Off
	Feedback shield LX	•	•
	Wind Noise Management	•	•
Personalization & Optimizing Fitting	YouMatic™ LX	3 configurations	2 configurations
	Fitting Bands	16	14
	Multiple Directionality Options	•	•
	Adaptation Management	•	•
	Oticon Firmware Updater	•	•
	Fitting Formulas	VAC+, NAL-NL1 + 2, DSL v5.0	VAC+, NAL-NL1 + 2, DSL v5.0
Connecting to the World	Stereo streaming (2.4 GHz)	•	•
	Oticon ON app	•	•
	ConnectClip	•	•
	Remote Control 3.0	•	•
	TV Adapter 3.0	•	•
	Tinnitus SoundSupport™	•	•
Expected battery life, hours**		55-65	55-65

* Bandwidth accessible for gain adjustments during fitting

** Battery size 312 - IEC PR41.

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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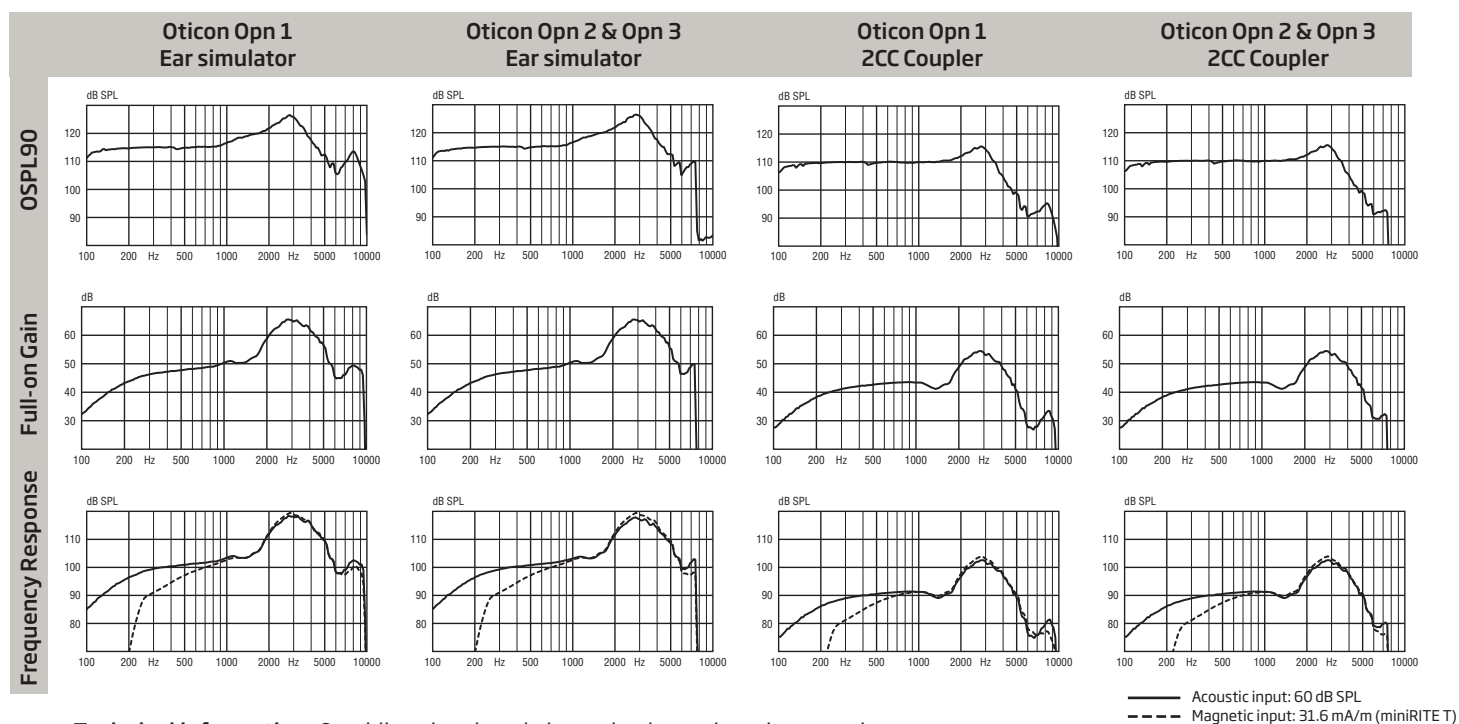
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Technical data Measured according to		Ear Simulator IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010			2CC Coupler ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006		
Oticon Opn miniRITE/miniRITE T		Opn 1	Opn 2	Opn 3	Opn 1	Opn 2	Opn 3
Frequency range Hz		120-9500	120-7500	120-7500	100-8500	100-7500	100-7500
OSPL90	Peak	127 dB SPL			116 dB SPL		
	1600 Hz	120 dB SPL			111 dB SPL		
	HFA-OSPL90	121 dB SPL			112 dB SPL		
Full-on gain*	Peak	66 dB			54 dB		
	1600 Hz	52 dB			43 dB		
	HFA-FOG	55 dB			47 dB		
Reference test gain		45 dB			34 dB		
Telecoil output (1600 Hz) (miniRITE T)	1 mA/m field	82 dB SPL			-		
	10 mA/m field	102 dB SPL			-		
	SPLITS L/R	-			94/94 dB SPL		
Total harmonic distortion (Input 70 dB SPL)	500 Hz	< 2 %			< 2 %		
	800 Hz	< 3 %			< 2 %		
	1600 Hz	< 2 %			< 2 %		
Equivalent input noise level	Omni (dB SPL)	25	26	26	20	21	21
	Dir (dB SPL)	32	33	33	29	30	30
Battery consumption**	Typical	1.6 mA			1.7 mA		
	Quiescent	1.5 mA			1.5 mA		
Battery life, artificial measurement, hours***		110			105		

* 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.

** 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 a minimum of 3 minutes.

*** 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.



Technical information: Omnidirectional mode is used unless otherwise stated.

Operating conditions

Temperature: +1°C to +40°C
(34°F to 104°F)
Humidity: 5% - 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.

Temperature: -25°C to +60°C (-13°F to 140°F)
Humidity: 5% - 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

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