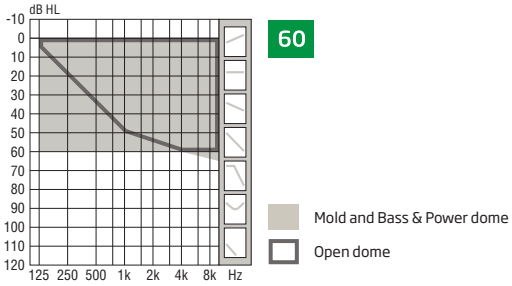
Technical data sheet

Oticon Opn 1



Features	Oticon Opn 1
Fitting formulas	VAC+, NAL-NL1, NAL-NL2
OpenSound Navigator™	Level 1
YouMatic™ LX	Level 1
Speech Guard™ LX	Level 1
Spatial Sound™ LX	Level 1
Spatial Noise Management	Yes
Binaural Processing (compression)	Yes
Binaural Coordination (PB operations)	Yes
Clear Dynamics	Yes
Soft Speech Booster LX	Yes
Fitting Bandwidth*	10 kHz
Processing channels	64
Transient Noise Management	Adjustable
Wind Noise Management	Yes
Feedback shield LX	Yes
Fitting Bands	16
Multiple Directionality Options	Yes
Adaptation Management	Yes
Bass Boost	Yes
Stereo Streaming (2.4 GHz)	Yes
Phone Program	Yes
Acoustic Notification	Yes
Battery size 312 (IEC PR41)	
Battery life**	60-65
Optional	
Oticon ON App	Yes
Remote Control 3.0	Yes
ConnectClip	Yes
TV Adapter 3.0	Yes
Autophone	Yes

* Bandwidth accessible for gain adjustments during fitting
** 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).

Oticon Opn is compatible with iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, 9.7-inch iPad Pro, 12.9-inch iPad Pro, iPad Air 2, iPad Air, iPad (4th generation), iPad mini 4, iPad mini 3, iPad mini 2, iPad mini, and iPod touch (5th and 6th generation). Devices must be running iOS 9.3 or later. Please visit www.oticon.com for more details on compatibility.

OTICON | **Opn**
miniRITE 60

Oticon Opn™ miniRITE introduces a new discreet design with a smart single push button for easy operation. miniRITE is used with the proven miniFit 60 receiver and earpieces, offering an ergonomic physical fit.

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.

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

Oticon Opn is a Made for iPhone® hearing aid.

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

Oticon BrainHearing™ Technology
Powered by Velox™

TwinLink NFMI + 2.4 GHz

Made for iPod iPhone iPad

IP68

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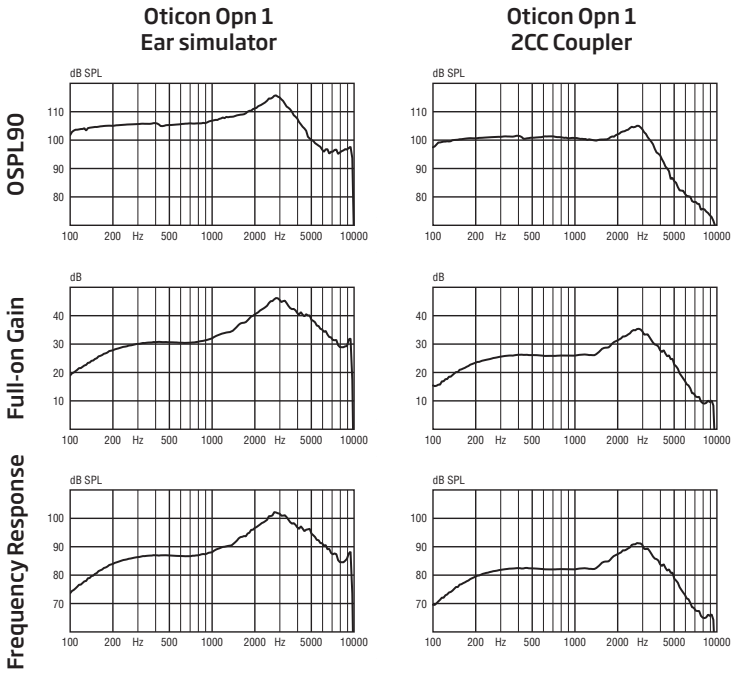
Technical data Measured according to		**Ear Simulator** IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	**2CC Coupler** ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
Frequency range Hz		110-9700	100-9200
OSPL90	Peak	116 dB SPL	105 dB SPL
	1600 Hz	109 dB SPL	100 dB SPL
	HFA-OSPL90	110 dB SPL	102 dB SPL
Full-on gain*	Peak	46 dB	35 dB
	1600 Hz	37 dB	29 dB
	HFA-FOG	38 dB	30 dB
Reference test gain		30 dB	26 dB
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<3 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level	Omni	21 dB SPL	18 dB SPL
	Dir	28 dB SPL	27 dB SPL
Battery consumption**	Typical	1.5 mA	1.6 mA
	Quiescent	1.5 mA	1.5 mA
Battery life, calculated, hours***		120	115
IRIL (IEC 60118-13:2011)		800/1400/2000 MHz: 21/<2/<2 dB SPL	

* 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 the 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+A1:1994) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.

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



Technical information: Omnidirectional mode is used unless otherwise stated.

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