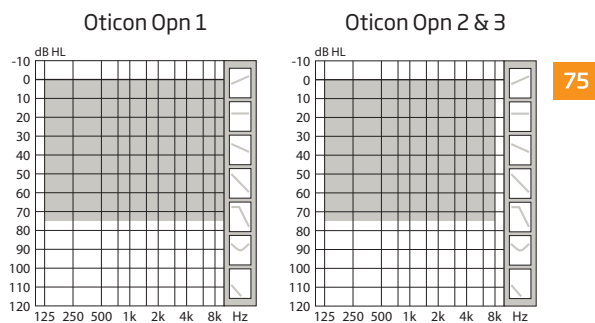


Technical data sheet

OTICON | **Opn**

IIC 75



	Oticon Opn 1	Oticon Opn 2	Oticon Opn 3	
Speech Understanding	OpenSound Navigator™	Level 1	Level 2	Level 3
	- Max. noise removal	9 dB	5 dB	3 dB
	Speech Guard™ LX	Level 1	Level 2	Level 3
	Soft Speech Booster LX	•	•	•
Sound Quality	Speech Rescue™ LX	•	•	•
	Clear Dynamics	•	•	-
	Fitting Bandwidth*	10 KHz	8 KHz	8 KHz
Listening Comfort	Processing Channels	64	48	48
	Transient Noise Management	4 configurations	On/Off	On/Off
Personalisation & Optimising Fitting	Feedback shield LX	•	•	•
	YouMatic™ LX	3 configurations	2 configurations	1 configuration
	Fitting Bands	16	14	12
	Adaptation Management	•	•	•
	Oticon Firmware Updater	•	•	•
	Fitting Formulas	VAC+, NAL-NL1+2, DSL v5.0	VAC+, NAL-NL1+2, DSL v5.0	VAC+, NAL-NL1+2, DSL v5.0
	Acoustic Notifications	•	•	•
Battery life, hours**	70-80	70-80	70-80	

* Bandwidth accessible for gain adjustments during fitting

** Battery size 10 - IEC PR70.

Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels.

• Default
- Not included

OpenSound Navigator™ continuously analyses the environment and attenuates the disturbing noise.

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

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



IP68

General features:

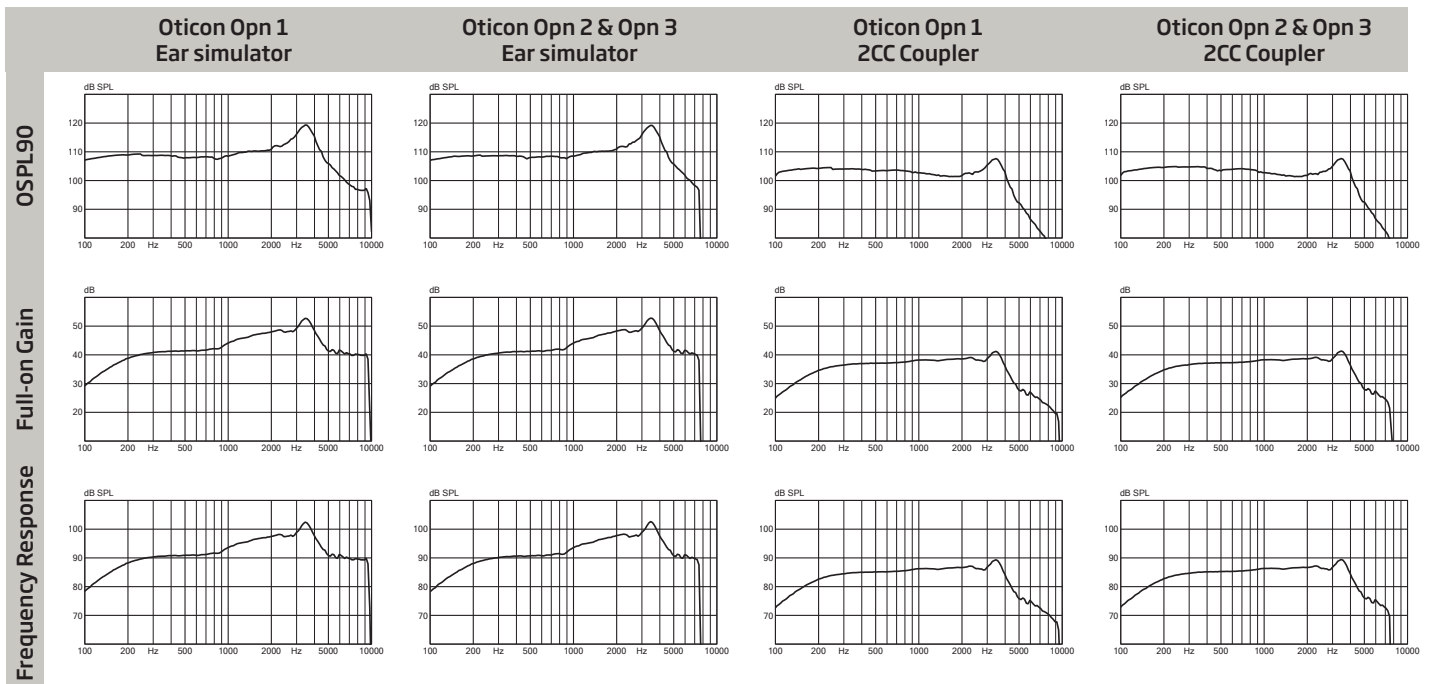
- Digital Programmable
- Automatic Volume Control
- Maximum Output Control System
- MPO- Maximum Power Output
- GC-Gain Control
- AGC-Automatic Gain Control
- Noise Reduction
- Feedback Management
- Single Microphone

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			ZCC Coupler ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006		
Oticon Opn IIC 75		Opn 1	Opn 2	Opn 3	Opn 1	Opn 2	Opn 3
Frequency range Hz		100-9500	100-7500	100-7500	100-9200	100-7500	100-7500
MPO-OSPL90	Peak	119 dB SPL			108 dB SPL		
	1600 Hz	110 dB SPL			102 dB SPL		
	HFA-OSPL90	111 dB SPL			102 dB SPL		
Full-on gain*	Peak	53 dB			41 dB		
	1600 Hz	47 dB			38 dB		
	HFA-FOG	46 dB			38 dB		
Reference test gain		37 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	2 %			2 %		
	1600 Hz	3 %			2 %		
Equivalent input noise level		19 dB SPL			18 dB SPL		
Battery consumption**	Typical	1.0 mA			1.1 mA		
	Quiescent	1.0 mA			1.0 mA		
Battery life, calculated, hours***		100			90		
IRIL (IEC 60118-13:2016)		700/1400/2000 MHz: 40/33/11 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 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 minimum 3 minutes.

*** 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.



Technical information: Omnidirectional mode is used unless otherwise stated.

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