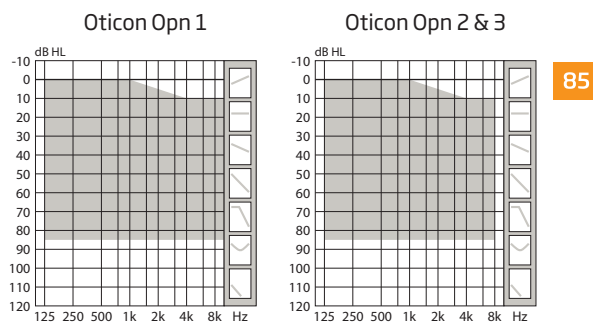


# Technical data sheet

OTICON | **Opn**

CIC 85



	Oticon Opn 1	Oticon Opn 2	Oticon Opn 3
<b>Speech Understanding</b>			
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
Spatial Sound™ LX***	4 estimators (o)	2 estimators (o)	2 estimators (o)
Soft Speech Booster LX	•	•	•
Speech Rescue™ LX	•	•	•
<b>Sound Quality</b>			
Clear Dynamics	•	•	-
Spatial Noise Management***	o	o	-
Fitting Bandwidth*	10 KHz	8 KHz	8 KHz
Processing Channels	64	48	48
<b>Listening Comfort</b>			
Transient Noise Management	4 configurations	On/Off	On/Off
Feedback shield LX	•	•	•
Binaural Coordination****	o	o	o
<b>Personalisation &amp; Optimising Fitting</b>			
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	•	•	•
Tinnitus SoundSupport™****	o	o	o
<b>Battery life, hours**</b>	60-70	60-70	60-70

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

NFMI wireless technology is optional and provides binaural communication

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.



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\* 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.

\*\*\* If NFMI is chosen

\*\*\*\* If NFMI and push button is chosen

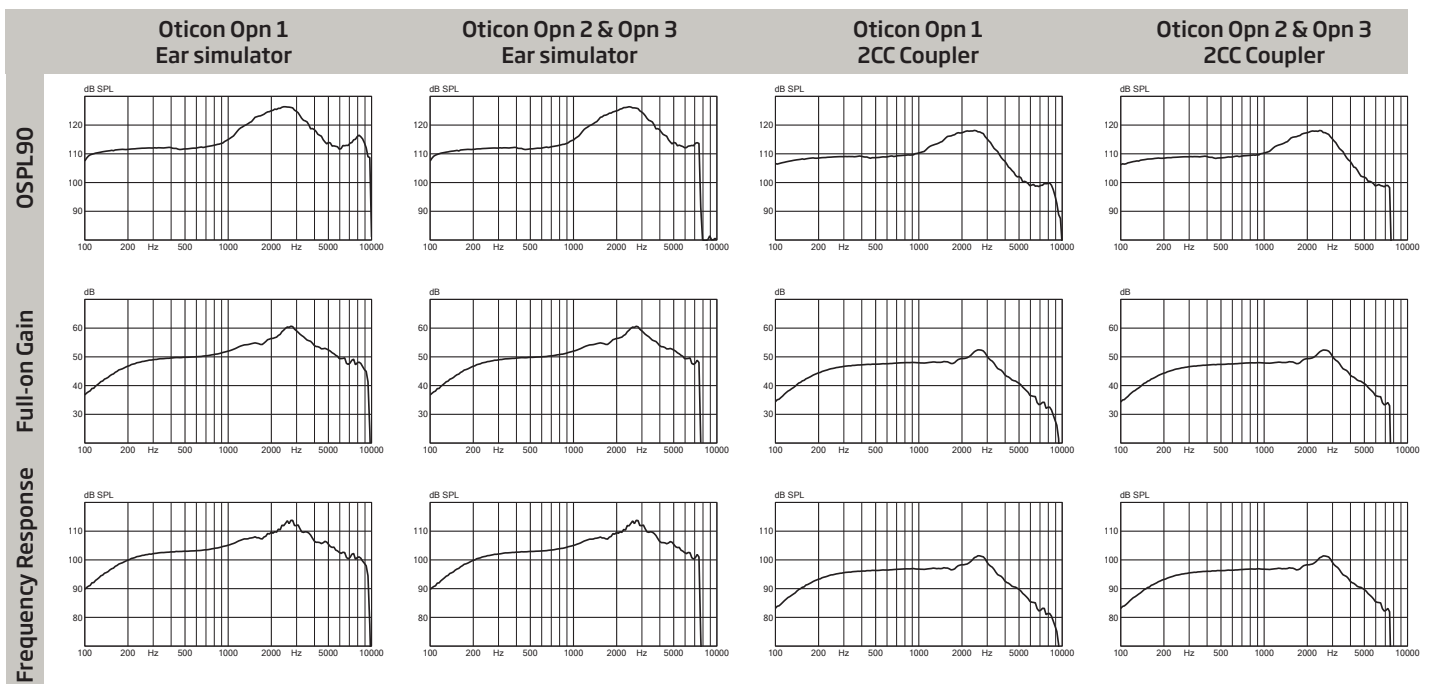
- Default
- o Optional
- Not included

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 CIC 85		Opn 1	Opn 2	Opn 3	Opn 1	Opn 2	Opn 3
Frequency range Hz		100-9500	100-7500	100-7500	100-9000	100-7500	100-7500
OSPL90	Peak	126 dB SPL			118 dB SPL		
	1600 Hz	123 dB SPL			116 dB SPL		
	HFA-OSPL90	121 dB SPL			115 dB SPL		
Full-on gain*	Peak	61 dB			52 dB		
	1600 Hz	55 dB			48 dB		
	HFA-FOG	56 dB			49 dB		
Reference test gain		48 dB			38 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	4 %			2 %		
Equivalent input noise level		20 dB SPL			17 dB SPL		
Battery consumption**	Typical	1.1 mA			1.3 mA		
	Quiescent	1.0 mA			1.0 mA		
Battery life, calculated, hours***		90			80		
IRIL (IEC 60118-13:2016)		700/1400/2000 MHz: 19/11/26 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.

<b>Operating conditions</b> Temperature: +1°C to +40°C  Relative humidity: 5% to 93%, non-condensing	<b>Storage and transportation conditions</b> 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
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