OTICON | **Own**

Technical data sheet

CIC

75 90

		Own 1	Own 2	Own 3
Speech Understanding	MoreSound Intelligence™	Level 1	Level 2	Level 3
	- Environment configuration	5 Options	5 Options	3 Options
	- Neural Noise Suppression, Difficult / Easy	10 dB / 4 dB	6 dB / 2 dB	6 dB / 0 dB
	- Sound Enhancer	3 Configurations	2 Configurations	1 Configuration
	MoreSound Amplifier™	•	•	•
	Feedback Prevention	MoreSound Optimizer™ & Feedback shield	MoreSound Optimizer™ & Feedback shield	MoreSound Optimizer™ & Feedback shield
	Spatial Sound™ (optional)*	4 Estimators	2 Estimators	2 Estimators
	Soft Speech Booster	•	•	•
	Frequency lowering	Speech Rescue™	Speech Rescue™	Speech Rescue™
Sound Quality	Clear Dynamics	•	•	-
	Better-Ear Priority*	○	○	-
	Fitting Bandwidth**	10 kHz	8 kHz	8 kHz
	Processing Channels	64	48	48
Listening Comfort	Transient Noise Management	4 Configurations	3 Configurations	3 Configurations
Personalisation & Optimising Fitting	Fitting Bands	24	20	18
	Adaptation Manager	•	•	•
	Fitting Formulas	VAC+, NAL-NL1/NAL-NL2, DSL 5.0	VAC+, NAL-NL1/NAL-NL2, DSL 5.0	VAC+, NAL-NL1/NAL-NL2, DSL 5.0
	Tinnitus SoundSupport™***	○	○	○

* Requires NFMI
** Bandwidth accessible for gain adjustments during fi tting
*** Requires NFMI and push-button

• Default
○ Optional
- Not included

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

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

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

Notes

OTICON | **Own**

Technical data sheet

CIC

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		Own 4	Own 5
Speech Understanding	OpenSound Navigator™	•	-
	- Max. noise removal difficult/simple	6 dB / 0 dB	-
	Noise Reduction	-	•
	Speech Guard™	•	-
	Single Compression	-	•
	Frequency lowering	Speech Rescue™	Speech Rescue™
Sound Quality	Fitting Bandwidth*	8 kHz	8 kHz
	Processing Channels	48	48
Listening Comfort	Feedback Management	SuperShield & Feedback shield LX	SuperShield & Feedback shield LX
	Transient Noise Management	On/Off	-
Personalisation & Optimising Fitting	Fitting Bands	14	12
	Adaptation Manager	•	•
	Fitting Formulas	NAL-NL1/NAL-NL2, DSL v5.0	NAL-NL1/NAL-NL2, DSL v5.0
	Tinnitus SoundSupport™**	○	○

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IP68

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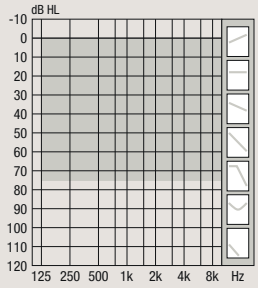
Oticon Own 1

CIC 75



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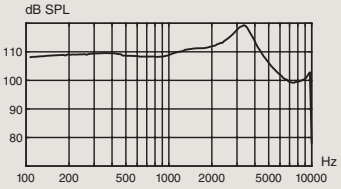
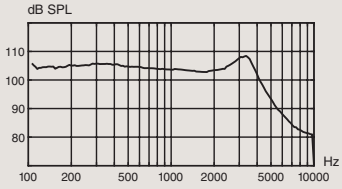
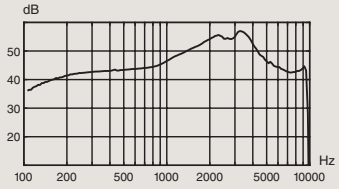
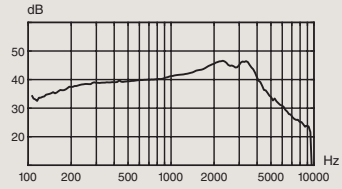
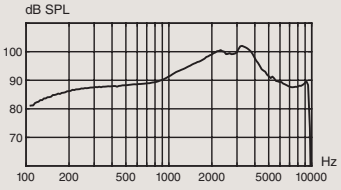
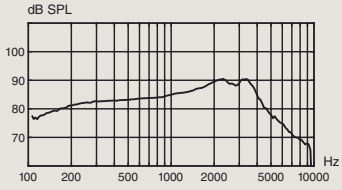
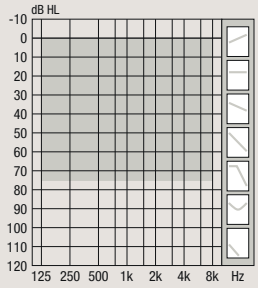
Technical information
Omnidirectional mode is used unless otherwise stated.

		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	**2CC Coupler** Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
		OSPL90 	OSPL90 
		Full-on gain 	Full-on gain 
		Frequency Response 	Frequency Response 
OSPL90	Peak	119 dB SPL	108 dB SPL
	1600 Hz	111 dB SPL	103 dB SPL
	HFA-OSPL90	111 dB SPL	104 dB SPL
Full-on gain[1]	Peak	57 dB	47 dB
	1600 Hz	51 dB	43 dB
	HFA-FOG	51 dB	43 dB
Reference test gain		36 dB	27 dB
Frequency range		100-9500 Hz	100-9300 Hz
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<3 %	<2 %
	1600 Hz	<3 %	<2 %
Equivalent input noise level	Omni	19 dB SPL	19 dB SPL
Battery consumption[2]	Typical	1.6 mA	1.6 mA
	Quiescent	1.5 mA	1.5 mA
Battery life, artificial measurement, hours[3]		65	65
Expected battery life, hours (battery size 10 - IEC PR70)[4]		50-60	

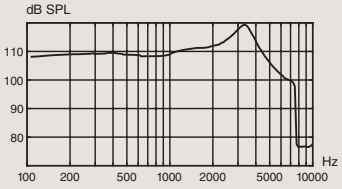
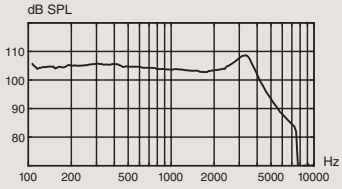
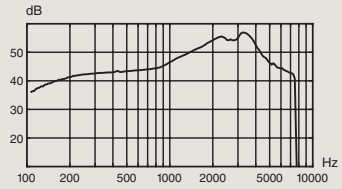
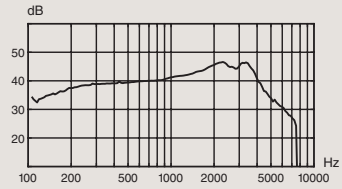
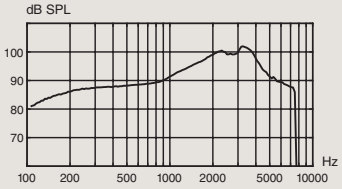
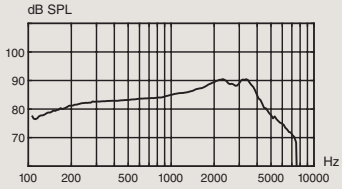
1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without infl uence of feedback.
2) Battery current is measured according 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 standardised battery consumption measurement (e.g. 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.

Oticon Own 2, 3, 4 & 5

CIC 75



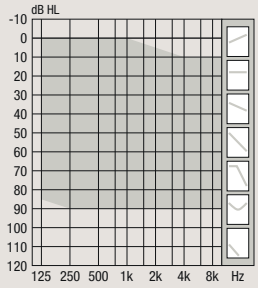
Technical information
Omnidirectional mode is used unless otherwise stated.

		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	**2CC Coupler** Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
		OSPL90 	OSPL90 
		Full-on gain 	Full-on gain 
		Frequency Response 	Frequency Response 
OSPL90	Peak	119 dB SPL	109 dB SPL
	1600 Hz	111 dB SPL	103 dB SPL
	HFA-OSPL90	111 dB SPL	104 dB SPL
Full-on gain[1]	Peak	57 dB	47 dB
	1600 Hz	51 dB	43 dB
	HFA-FOG	51 dB	43 dB
Reference test gain		36 dB	27 dB
Frequency range		100-7500 Hz	100-7500 Hz
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<3 %	<2 %
	1600 Hz	<3 %	<2 %
Equivalent input noise level	Omni	19 dB SPL	19 dB SPL
Battery consumption[2]	Typical	1.6 mA	1.6 mA
	Quiescent	1.5 mA	1.5 mA
Battery life, artificial measurement, hours[3]		65	65
Expected battery life, hours (battery size 10 - IEC PR70)[4]		50-60	

1) Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without infl uence 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 standardised battery consumption measurement (e.g. 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.

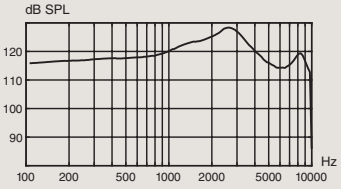
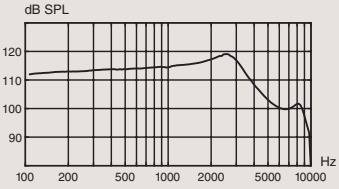
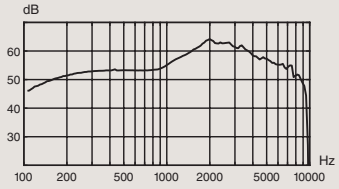
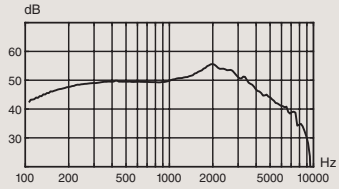
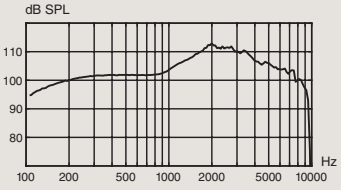
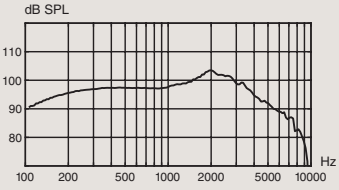
Oticon Own 1

CIC 90



90

Technical information
Omnidirectional mode is used unless otherwise stated.

		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	**2CC Coupler** Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
		OSPL90 	OSPL90 
		Full-on gain 	Full-on gain 
		Frequency Response 	Frequency Response 
OSPL90	Peak	128 dB SPL	119 dB SPL
	1600 Hz	124 dB SPL	116 dB SPL
	HFA-OSPL90	124 dB SPL	116 dB SPL
Full-on gain[1]	Peak	64 dB	56 dB
	1600 Hz	61 dB	53 dB
	HFA-FOG	60 dB	52 dB
Reference test gain		49 dB	40 dB
Frequency range		100-9500 Hz	100-8700 Hz
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<3 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level	Omni	18 dB SPL	18 dB SPL
Battery consumption[2]	Typical	1.8 mA	2.0 mA
	Quiescent	1.6 mA	1.6 mA
Battery life, artificial measurement, hours[3]		55	50
Expected battery life, hours (battery size 10 - IEC PR70)[4]		40-55	

1) Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without infl uence of feedback.
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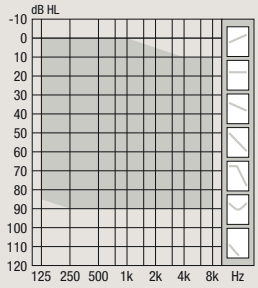
4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels.

Oticon Own 2, 3, 4 & 5

CIC 90



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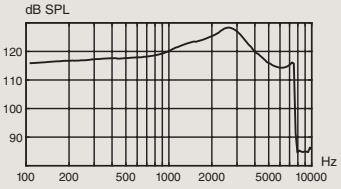
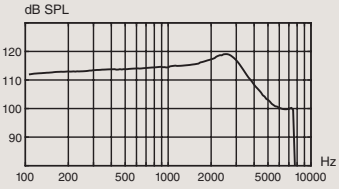
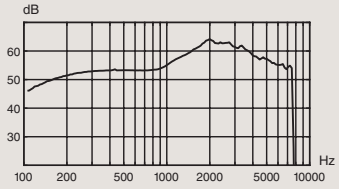
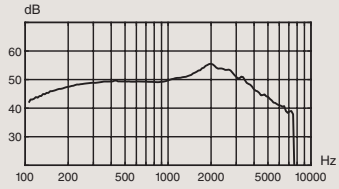
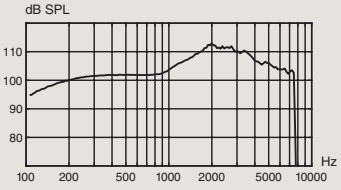
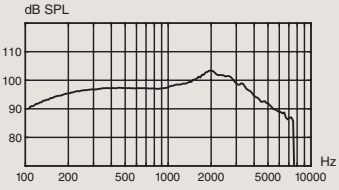
		OSPL90 	OSPL90 
		Full-on gain 	Full-on gain 
		Frequency Response 	Frequency Response 
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	HFA-FOG	60 dB	52 dB
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4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels.

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