OTICON | **Own**

Technical data sheet

IIC

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
	Soft Speech Booster	•	•	•
	Frequency lowering	Speech Rescue™	Speech Rescue™	Speech Rescue™
Sound Quality	Clear Dynamics	•	•	-
	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 Management	•	•	•
	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

* Bandwidth accessible for gain adjustments during fitting

Oticon Own™ IIC is our smallest in-the-ear style. It fits most ears and is very discreet. The Oticon Own IIC is powered by disposable batteries.

MoreSound Intelligence™ extremely quickly analyses the environment and applies the functionality of a trained Deep Neural Network to suppress noise and provide better access to meaningful sounds.

MoreSound Amplifier™ analyses details in sound, and optimally amplifies them for the brain to have access to relevant information.

Oticon Own is built on the innovative Polaris™ platform, which uses a Deep Neural Network to rapidly and optimally manage incoming sounds based on individual needs.

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

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Notes

OTICON | **Own**

Technical data sheet

IIC

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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	SuperShield & Feedback shield
	Transient Noise Management	On/Off	-
Personalisation & Optimising Fitting	Fitting Bands	14	12
	Adaptation Management	•	•
	Fitting Formulas	NAL-NL1/NAL-NL2, DSL v5.0	NAL-NL1/NAL-NL2, DSL v5.0

* Bandwidth accessible for gain adjustments during fitting

Oticon Own™ IIC is our smallest in-the-ear style. It fits most ears and is very discreet. The Oticon Own IIC is powered by disposable batteries.

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

Speech Guard™ provides more natural and clear speech sounds making the details in speech stand out more.

The Polaris™ platform provides a tremendous speed and memory capacity for audiological processing.

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.

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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)
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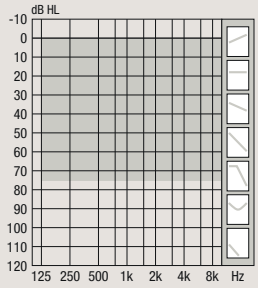
Oticon Own 1

IIC 75



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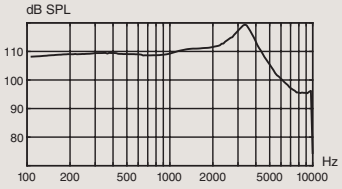
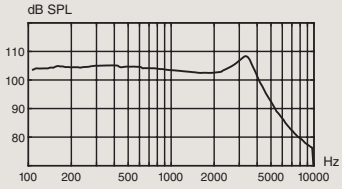
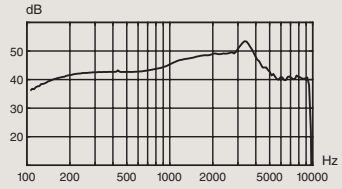
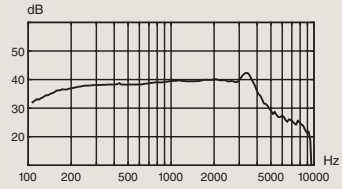
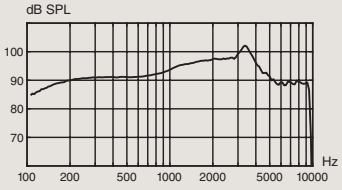
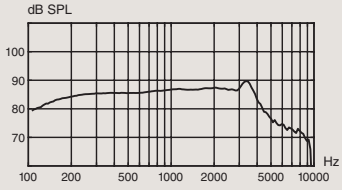
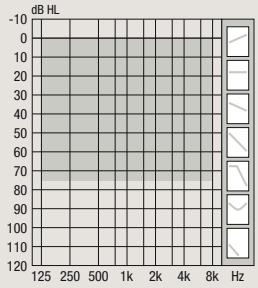
Technical information
Omnidirectional mode is used unless otherwise stated.

		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	102 dB SPL
	HFA-OSPL90	111 dB SPL	103 dB SPL
Full-on gain[1]	Peak	53 dB	42 dB
	1600 Hz	48 dB	40 dB
	HFA-FOG	48 dB	39 dB
Reference test gain		37 dB	27 dB
Frequency range		100-9500 Hz	100-9200 Hz
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<3 %	<2 %
	1600 Hz	<4 %	<3 %
Equivalent input noise level	Omni	19 dB SPL	19 dB SPL
Battery consumption[2]	Typical	1.6 mA	1.7 mA
	Quiescent	1.6 mA	1.6 mA
Battery life, artificial measurement, hours[3]		60	60
Expected battery life, hours (battery size 10 - IEC PR70)[4]		55-60	

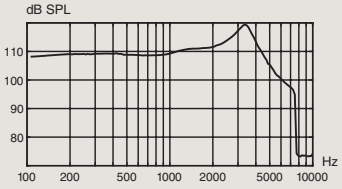
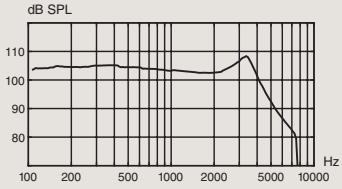
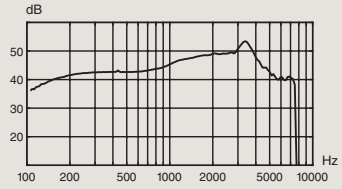
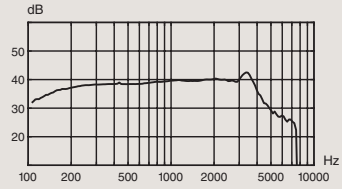
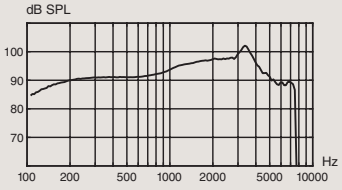
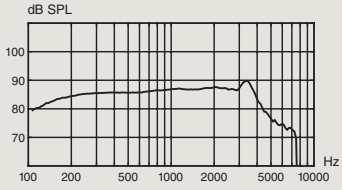
1) Measured with the gain control of the hearing aids set to their full-on position minus 20 dB and with an input SPL of 70 dB.
This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0:1983+A1:1994 but without influence of feedback.
2) Battery current is measured according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

IIC 75



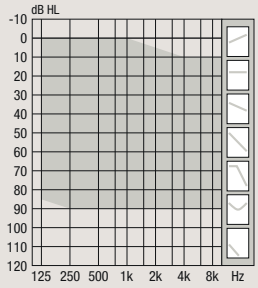
Technical information
Omnidirectional mode is used unless otherwise stated.

		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	108 dB SPL
	1600 Hz	111 dB SPL	103 dB SPL
	HFA-OSPL90	111 dB SPL	103 dB SPL
Full-on gain[1]	Peak	53 dB	43 dB
	1600 Hz	48 dB	40 dB
	HFA-FOG	48 dB	40 dB
Reference test gain		37 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	<4 %	<3 %
Equivalent input noise level	Omni	19 dB SPL	19 dB SPL
Battery consumption[2]	Typical	1.6 mA	1.6 mA
	Quiescent	1.6 mA	1.6 mA
Battery life, artificial measurement, hours[3]		60	60
Expected battery life, hours (battery size 10 - IEC PR70)[4]		55-60	

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 influence 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.

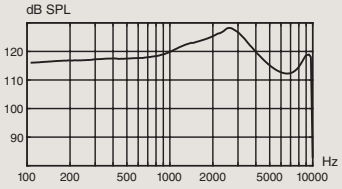
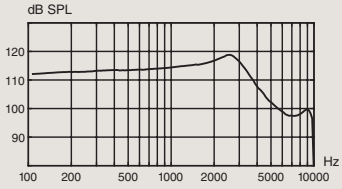
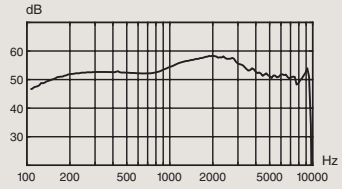
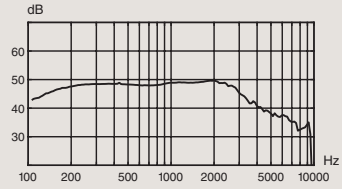
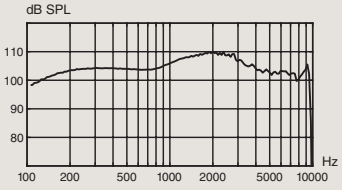
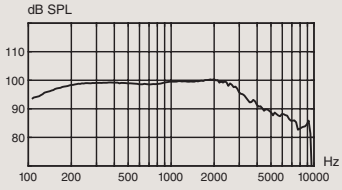
Oticon Own 1

IIC 90



90

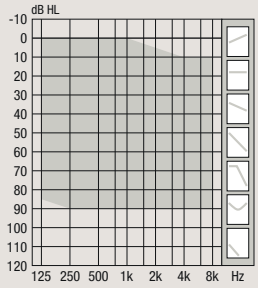
Technical information
Omnidirectional mode is used unless otherwise stated.

		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	115 dB SPL
	HFA-OSPL90	124 dB SPL	116 dB SPL
Full-on gain[1]	Peak	58 dB	50 dB
	1600 Hz	57 dB	49 dB
	HFA-FOG	56 dB	49 dB
Reference test gain		49 dB	39 dB
Frequency range		100-9500 Hz	100-9400 Hz
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<4 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level	Omni	17 dB SPL	19 dB SPL
Battery consumption[2]	Typical	1.8 mA	2.3 mA
	Quiescent	1.6 mA	1.6 mA
Battery life, artificial measurement, hours[3]		55	45
Expected battery life, hours (battery size 10 - IEC PR70)[4]		50-55	

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 influence 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

IIC 90



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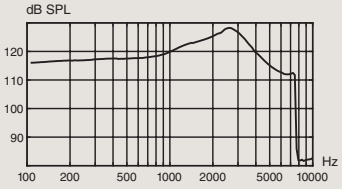
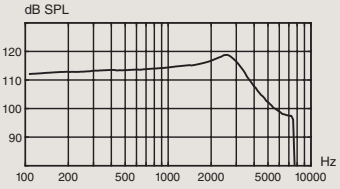
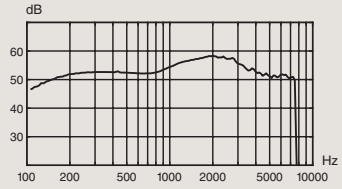
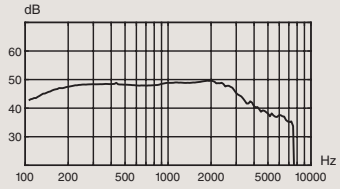
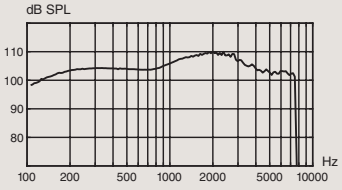
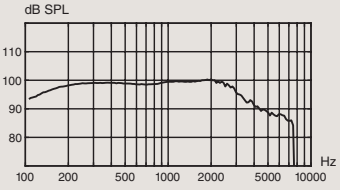
Technical information
Omnidirectional mode is used unless otherwise stated.

		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	128 dB SPL	119 dB SPL
	1600 Hz	124 dB SPL	115 dB SPL
	HFA-OSPL90	124 dB SPL	116 dB SPL
Full-on gain[1]	Peak	58 dB	50 dB
	1600 Hz	57 dB	49 dB
	HFA-FOG	56 dB	49 dB
Reference test gain		49 dB	39 dB
Frequency range		100-7500 Hz	100-7500 Hz
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<4 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level	Omni	17 dB SPL	19 dB SPL
Battery consumption[2]	Typical	1.8 mA	2.3 mA
	Quiescent	1.6 mA	1.6 mA
Battery life, artificial measurement, hours[3]		55	45
Expected battery life, hours (battery size 10 - IEC PR70)[4]		50-55	

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.
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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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