OTICON | **Own**

Technical data sheet

ITC, ITE HS & ITE FS

75 90 100

		Own 1	Own 2	Own 3
Speech Understanding	MoreSound Intelligence™	Level 1	Level 2	Level 3
	- Environment configuration	5 Options	5 Options	3 Options
	- Virtual Outer Ear	3 Configurations	2 Configurations	1 Configuration
	- Spatial Balancer	100%	60%	60%
	- 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™	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
	Bass Boost (streaming)**	○	○	○
	Processing Channels	64	48	48
Listening Comfort	Transient Noise Management	4 configurations	3 configurations	3 configurations
	Wind Noise Management	•	•	•
Personalization & Optimizing Fitting	Fitting Bands	24	20	18
	Multiple Directionality options	•	•	•
	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
Connecting to the world	Hands-free communication**,***	○	○	○
	Direct streaming**,****	○	○	○
	Oticon ON app & Oticon RemoteCare app**	○	○	○
	ConnectClip**	○	○	○
	EduMic**	○	○	○
	Remote Control 3.0**	○	○	○
	TV Adapter 3.0**	○	○	○
	Tinnitus SoundSupport™*****	○	○	○

* Bandwidth accessible for gain adjustments during fitting
** Requires 2.4 GHz
*** Hands-free communication is available with iPhone 11 or later running iOS 15.2 or later, and iPad running iPadOS 15.2 or later
**** From iPhone, iPad, iPod touch, and selected Android™ devices
***** Requires 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 shall 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

Oticon Own™ ITC and ITE half shell and full shells are in-the-ear styles that feature an optional push button and volume control. They are powered by disposable batteries and can be delivered with either a telecoil or Bluetooth® Low Energy technology. With Bluetooth® Low Energy technology they can stream directly from iPhone®, iPad®, iPod touch® and selected Android™ devices that support ASHA**. They are Made for iPhone hearing aids and support hands-free communication.***

MoreSound Intelligence™ creates a more precise and natural representation of individual sounds with clearer and more distinct contrasts.

MoreSound Amplifier™ analyzes 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.

TwinLink NFMI + 2,4 GHz

Made for iPhone | iPad | iPod

Works with android

IP68

For information on compatibility, please visit www.oticon.com/support/compatibility

oticon
life-changing technology

Notes

OTICON | **Own**

Technical data sheet

ITC, ITE HS & ITE FS

75 90 100

		Own 4	Own 5
Speech Understanding	OpenSound Navigator™	•	-
	- Balancing power effect	40%	-
	- Max. noise removal difficult/simple	6 dB / 0 dB	-
	Multiband Adaptive Directionality	-	•
	Noise Reduction	-	•
	Speech Guard™	•	-
	Single Compression	-	•
	Frequency lowering	Speech Rescue™	Speech Rescue™
Sound Quality	Fitting Bandwidth*	8 kHz	8 kHz
	Bass Boost (streaming)**	○	○
	Processing Channels	48	48
Listening Comfort	Feedback Management	SuperShield & Feedback shield	SuperShield & Feedback shield
	Transient Noise Management	On/Off	-
	Wind Noise Management	•	•
Personalization & Optimizing Fitting	Fitting Bands	14	12
	Multiple Directionality options	•	•
	Adaptation Management	•	•
	Fitting Formulas	NAL-NL1/NAL-NL2, DSL v5.0	NAL-NL1/NAL-NL2, DSL v5.0
Connecting to the world	Hands-free communication**,***	○	○
	Direct streaming**,****	○	○
	Oticon ON app & Oticon RemoteCare app**	○	○
	ConnectClip**	○	○
	EduMic**	○	○
	Remote Control 3.0**	○	○
	TV Adapter 3.0**	○	○
	Phone Adapter 2.0**	○	○
	Tinnitus SoundSupport™*****	○	○

* Bandwidth accessible for gain adjustments during fitting
** Requires 2.4 GHz
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OpenSound Navigator™ provides access to speech in 360° making the listener more easily aware of what is going on in the surroundings.

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

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

Made for iPhone | iPad | iPod

Works with android

IP68

For information on compatibility, please visit www.oticon.com/support/compatibility

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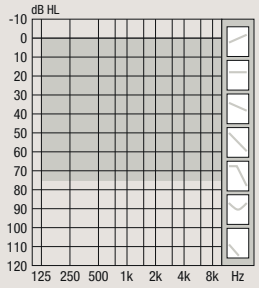

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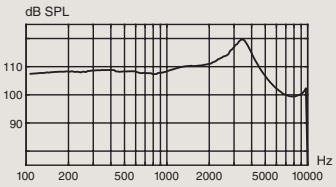
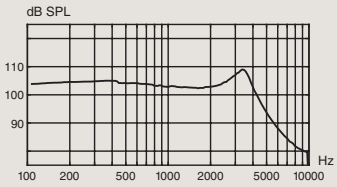
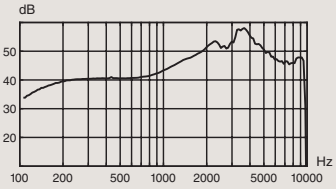
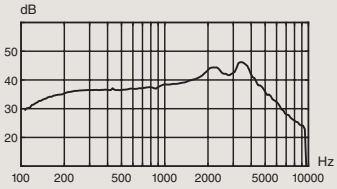
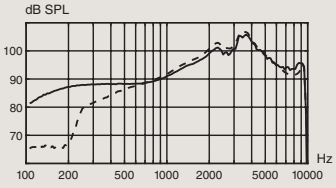
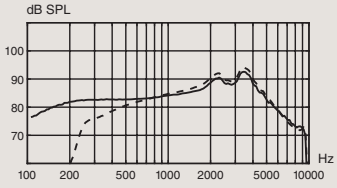
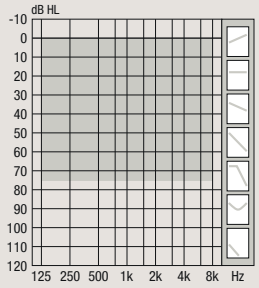
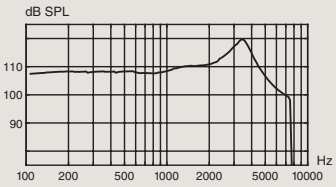
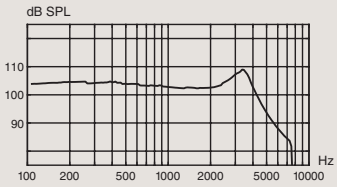
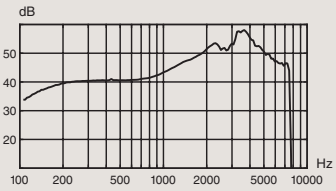
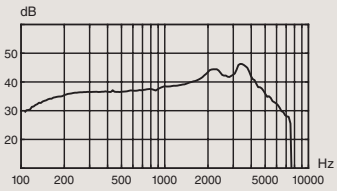
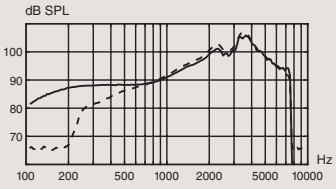
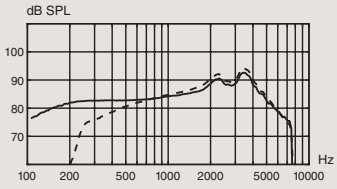
Technical information
Omnidirectional mode is used unless otherwise stated.

		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  Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	Frequency Response  Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m
OSPL90	Peak	120 dB SPL	109 dB SPL
	1600 Hz	110 dB SPL	102 dB SPL
	HFA-OSPL90	111 dB SPL	103 dB SPL
Full-on Gain[1]	Peak	58 dB	46 dB
	1600 Hz	48 dB	40 dB
	HFA-FOG	48 dB	40 dB
Reference test gain		36 dB	26 dB
Frequency range		100-9500 Hz	100-9400 Hz
Telecoil output	1 mA/m field (1600 Hz)	79 dB SPL	-
	10 mA/m field (1600 Hz)	99 dB SPL	-
	HFA-SPLITS L/R	-	85/85 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<2 %	<2 %
	1600 Hz	<3 %	<2 %
Equivalent input noise level	Omni	18 dB SPL	17 dB SPL
	Dir	26 dB SPL	28 dB SPL
Battery consumption[2]	Typical	1.9 mA	2.0 mA
	Quiescent	1.9 mA	1.9 mA
Battery life, artificial measurement, hours[3]		95	90
Expected battery life, hours[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 standardized 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, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).



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  Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	Frequency Response  Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m
OSPL90	Peak	120 dB SPL	109 dB SPL
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	HFA-OSPL90	111 dB SPL	103 dB SPL
Full-on Gain[1]	Peak	58 dB	46 dB
	1600 Hz	48 dB	40 dB
	HFA-FOG	48 dB	40 dB
Reference test gain		36 dB	26 dB
Frequency range		100-7500 Hz	100-7500 Hz
Telecoil output	1 mA/m field (1600 Hz)	79 dB SPL	-
	10 mA/m field (1600 Hz)	99 dB SPL	-
	HFA-SPLITS L/R	-	85/85 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<2 %	<2 %
	1600 Hz	<3 %	<2 %
Equivalent input noise level	Omni	18 dB SPL	17 dB SPL
	Dir	26 dB SPL	27 dB SPL
Battery consumption[2]	Typical	1.9 mA	2.0 mA
	Quiescent	1.9 mA	1.9 mA
Battery life, artificial measurement, hours[3]		95	90
Expected battery life, hours[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.
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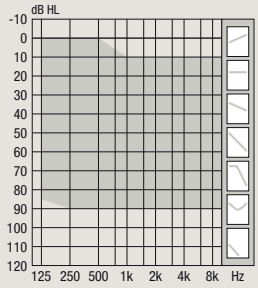
4) Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).

Oticon Own 1

ITC, ITE HS & ITE FS 90



90

Technical information
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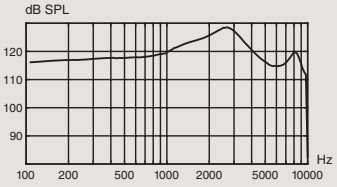
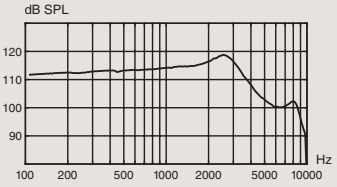
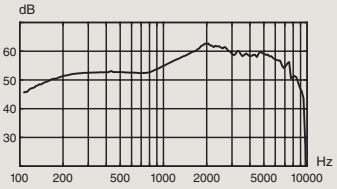
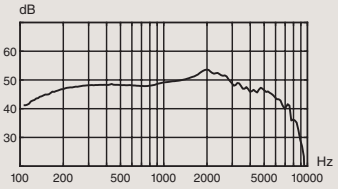
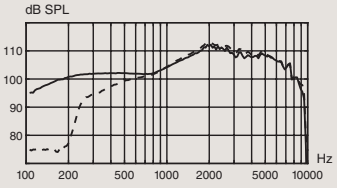
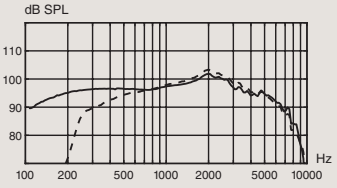
		OSPL90	OSPL90
			
		Full-on Gain	Full-on Gain
			
		Frequency Response	Frequency Response
			
		Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m
OSPL90	Peak	129 dB SPL	119 dB SPL
	1600 Hz	124 dB SPL	115 dB SPL
	HFA-OSPL90	124 dB SPL	116 dB SPL
Full-on Gain[1]	Peak	63 dB	54 dB
	1600 Hz	60 dB	51 dB
	HFA-FOG	59 dB	51 dB
Reference test Gain		49 dB	39 dB
Frequency range		100-9500 Hz	100-8500 Hz
Telecoil output	1 mA/m field (1600 Hz)	90 dB SPL	-
	10 mA/m field (1600 Hz)	110 dB SPL	-
	HFA-SPLITS L/R	-	98/98 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<3 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level	Omni	15 dB SPL	15 dB SPL
	Dir	24 dB SPL	27 dB SPL
Battery consumption[2]	Typical	2.1 mA	2.4 mA
	Quiescent	1.9 mA	1.9 mA
Battery life, artificial measurement, hours[3]		85	75
Expected battery life, hours[4]		40-60	

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.
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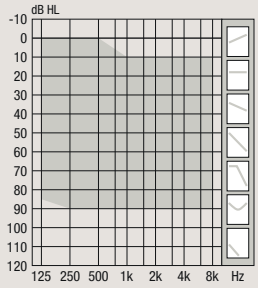

Technical information
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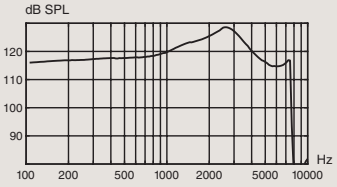
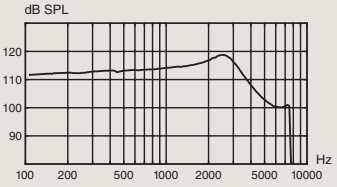
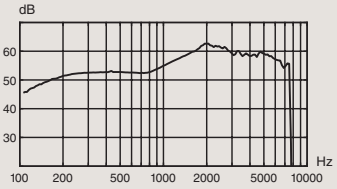
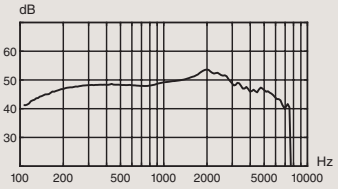
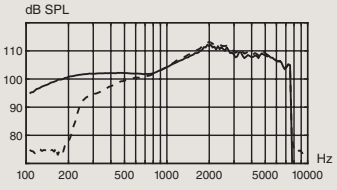
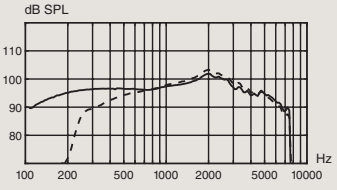
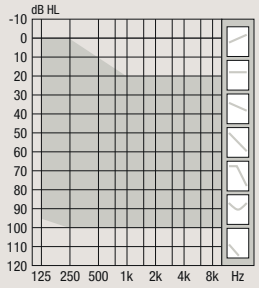
		OSPL90  	OSPL90 
		Full-on Gain  	Full-on Gain 
		Frequency Response  Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	Frequency Response  Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m
OSPL90	Peak	129 dB SPL	119 dB SPL
	1600 Hz	124 dB SPL	115 dB SPL
	HFA-OSPL90	124 dB SPL	116 dB SPL
Full-on Gain[1]	Peak	63 dB	54 dB
	1600 Hz	60 dB	51 dB
	HFA-FOG	59 dB	51 dB
Reference test Gain		49 dB	39 dB
Frequency range		100-7500 Hz	100-7500 Hz
Telecoil output	1 mA/m field (1600 Hz)	90 dB SPL	-
	10 mA/m field (1600 Hz)	110 dB SPL	-
	HFA-SPLITS L/R	-	98/98 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<3 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level	Omni	15 dB SPL	15 dB SPL
	Dir	24 dB SPL	27 dB SPL
Battery consumption[2]	Typical	2.1 mA	2.4 mA
	Quiescent	1.9 mA	1.9 mA
Battery life, artificial measurement, hours[3]		85	75
Expected battery life, hours[4]		40-60	

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 standardized 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, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).

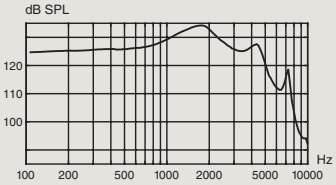
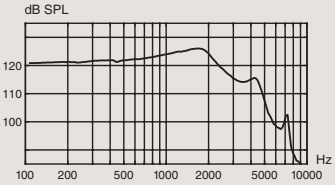
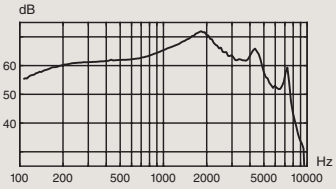
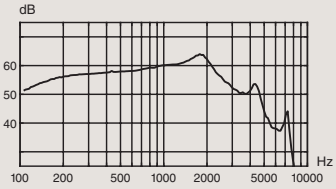
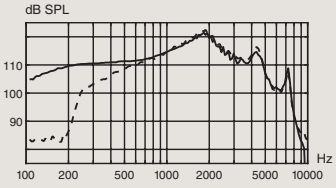
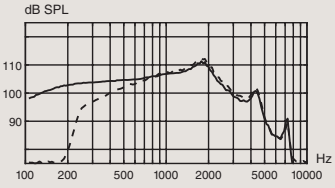
Oticon Own 1

ITC, ITE HS & ITE FS 100



Technical information
Omnidirectional mode is used unless otherwise stated.

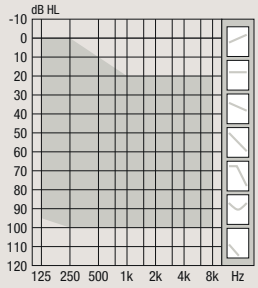
Warning to the hearing aid dispenser
The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.

		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  Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	Frequency Response  Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m
OSPL90	Peak	134 dB SPL	126 dB SPL
	1600 Hz	134 dB SPL	126 dB SPL
	HFA-OSPL90	131 dB SPL	123 dB SPL
Full-on Gain[1]	Peak	72 dB	64 dB
	1600 Hz	70 dB	63 dB
	HFA-FOG	67 dB	60 dB
Reference test gain		60 dB	46 dB
Frequency range		100-7500 Hz	100-5400 Hz
Telecoil output	1 mA/m field (1600 Hz)	101 dB SPL	-
	10 mA/m field (1600 Hz)	121 dB SPL	-
	HFA-SPLITS L/R	-	105/105 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<3 %	<2 %
	1600 Hz	<3 %	<2 %
Equivalent input noise level	Omni	11 dB SPL	15 dB SPL
	Dir	23 dB SPL	30 dB SPL
Battery consumption[2]	Typical	2.0 mA	2.1 mA
	Quiescent	1.9 mA	1.9 mA
Battery life, artificial measurement, hours[3]		90	85
Expected battery life, hours[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 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 standardized 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, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).

Oticon Own 2, 3, 4 & 5

ITC, ITE HS & ITE FS 100

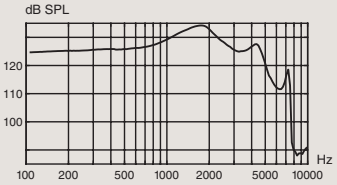


Technical information
Omnidirectional mode is used unless otherwise stated.

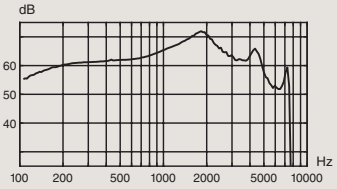
Warning to the hearing aid dispenser
The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the hearing aid, as there may be risk of impairing the remaining hearing of the hearing aid user.

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

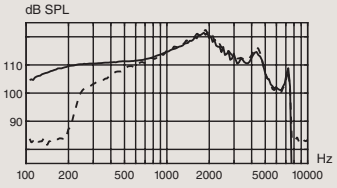
OSPL90



Full-on Gain



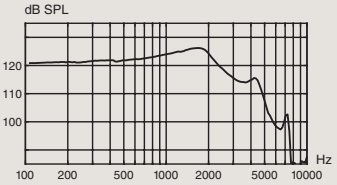
Frequency Response



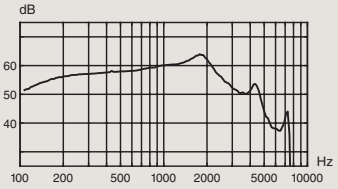
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

2CC Coupler
Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006

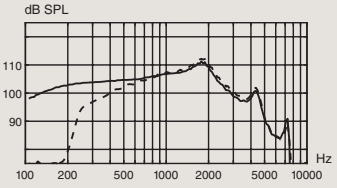
OSPL90



Full-on Gain



Frequency Response



Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

		Ear Simulator	2CC Coupler
OSPL90	Peak	134 dB SPL	126 dB SPL
	1600 Hz	134 dB SPL	126 dB SPL
	HFA-OSPL90	131 dB SPL	123 dB SPL
Full-on Gain[1]	Peak	72 dB	64 dB
	1600 Hz	70 dB	63 dB
	HFA-FOG	67 dB	60 dB
Reference test gain		60 dB	46 dB
Frequency range		100-7500 Hz	100-5400 Hz
Telecoil output	1 mA/m field (1600 Hz)	101 dB SPL	-
	10 mA/m field (1600 Hz)	121 dB SPL	-
	HFA-SPLITS L/R	-	105/105 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	<3 %	<2 %
	1600 Hz	<3 %	<2 %
Equivalent input noise level	Omni	12 dB SPL	15 dB SPL
	Dir	23 dB SPL	30 dB SPL
Battery consumption[2]	Typical	2.0 mA	2.1 mA
	Quiescent	1.9 mA	1.9 mA
Battery life, artificial measurement, hours[3]		90	85
Expected battery life, hours[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 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 standardized 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, incl. direct stereo streaming from a TV (25% of the time) and streaming from a mobile phone (6% of the time).

Notes

Notes

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