

## Technical data



# Oticon Intent 1 | 2 | 3 | 4 miniRITE

Oticon Intent™ miniRITE comes in a discreet design and features a rechargeable lithium-ion battery, telecoil and a single push-button. The hearing aid is built on the Sirius™ platform and powered by Oticon BrainHearing™

technology. With LE Audio and Bluetooth® Low Energy it supports hands-free communication and direct streaming for iPhone, iPad, Mac and select Android™ devices. It comes with the miniFit Detect speaker system.

Speaker 60



miniRITE

Speaker 85



miniRITE

Speaker 100



miniRITE

Speaker 105



miniRITE

### Technical features

- › Hands-free communication<sup>1</sup>
- › Direct streaming<sup>2</sup>
- › Bluetooth Low Energy technology
- › LE Audio
- › NFMI (Near-Field Magnetic Induction)
- › Telecoil
- › Hydrophobic coating
- › Contact charging
- › miniFit Detect speakers

### Accessories

- › Oticon Companion app
- › ConnectClip
- › EduMic
- › TV Adapter 3.0
- › Phone Adapter 2.0
- › Oticon Charger miniRITE

For information on compatibility, please visit [www.oticon.global/compatibility](http://www.oticon.global/compatibility)

**Operating and charging conditions**  
Temperature: +5°C to +40°C (41°F to 104°F)  
Humidity: 5% to 93% relative humidity, non-condensing  
Atmospheric pressure: 700 hPa to 1060 hPa

**Transportation and storage conditions**  
Temperature and humidity shall not exceed the mentioned limits for extended periods during transportation and storage:

**Transport**  
Temperature: -20°C to +60°C (-4°F to 140°F)  
Humidity: 5% to 93% relative humidity, non-condensing  
Atmospheric pressure: 700 hPa to 1060 hPa

**Storage**  
Temperature: -20°C to +30°C (-4°F to 86°F)  
Humidity: 5% to 93% relative humidity, non-condensing  
Atmospheric pressure: 700 hPa to 1060 hPa

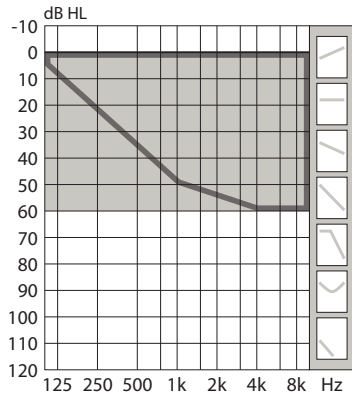
1) Hands-free communication is available on select devices  
2) From iPhone, iPad, Mac and select Android devices

**WARNING:** No modification of this equipment is allowed.  
Apple, the Apple logo, iPhone, iPad, Mac and the Mac logo are trademarks of Apple Inc., registered in the U.S. and other countries.

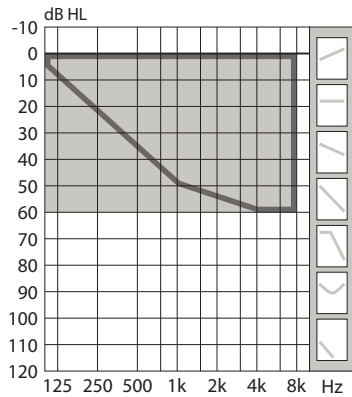


# Fitting ranges



Oticon Intent 1

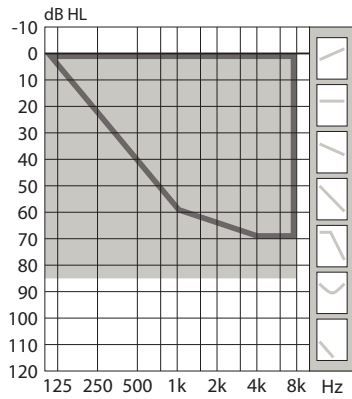
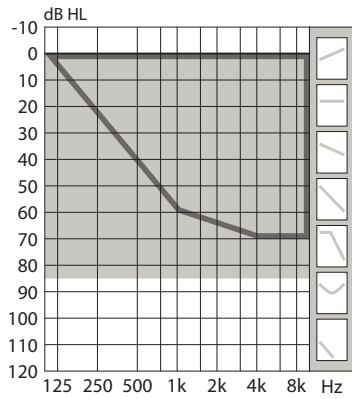


Oticon Intent 2 | 3 | 4





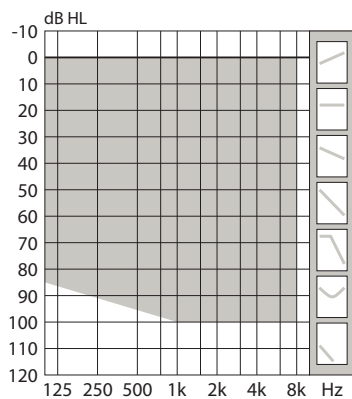
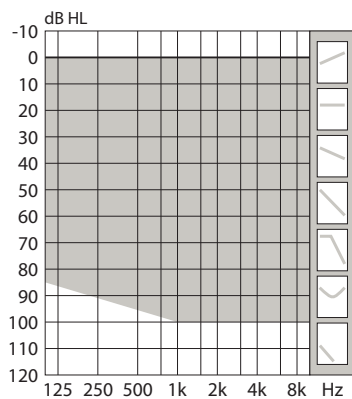
60

-  Mould, Bass & Power dome
-  OpenBass dome



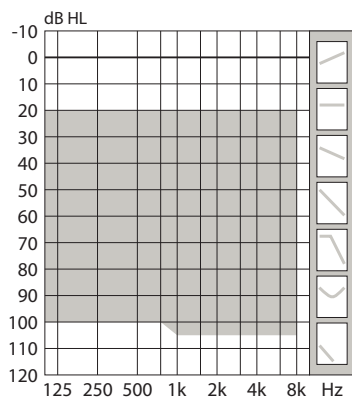
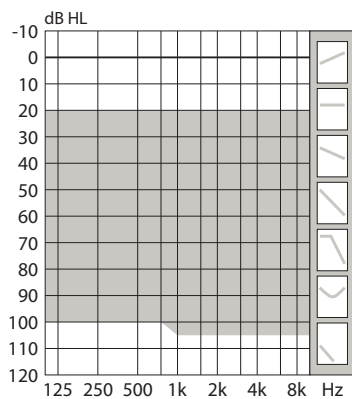
85

-  Mould, Bass & Power dome
-  OpenBass dome




100

-  MicroShell Detect 100, Bass & Power dome



105

-  MicroShell Detect 105

# Feature overview

	Intent 1	Intent 2	Intent 3	Intent 4
<b>Speech understanding &amp; listening ease</b>				
MoreSound Intelligence™ 3.0	Level 1	Level 2	Level 3	Level 4
Sensor technology	•	•	-	-
Environment classifier	5 configurations	5 configurations	3 configurations	Not adjustable
Virtual Outer Ear	3 configurations	2 configurations	1 configuration	1 configuration
Spatial Balancer	100%	60%	60%	40%
Neural Noise Suppression, Difficult / Easy	12 dB / 6 dB	10 dB / 4 dB	8 dB / 2 dB	6 dB / 0 dB
Sound Enhancer	3 configurations	2 configurations	1 configuration	1 configuration
Wind & Handling Stabilizer	•	•	•	•
MoreSound Amplifier™ 3.0	•	•	•	•
SuddenSound Stabilizer	6 configurations	5 configurations	4 configurations	2 configurations
MoreSound Optimizer™	•	•	•	•
Feedback shield	•	•	•	•
Spatial Sound™	4 estimators	4 estimators	4 estimators	4 estimators
Soft Speech Booster	•	•	•	•
Frequency lowering, Speech Rescue™	•	•	•	•
<b>Sound quality</b>				
Clear Dynamics	•	•	-	-
Better-Ear Priority	•	•	•	-
Fitting Bandwidth <sup>1</sup>	10 kHz	8 kHz	8 kHz	8 kHz
Power Bass (streaming)	•	•	•	•
Processing Channels	64	48	48	48
<b>Personalisation &amp; optimised fitting</b>				
Fitting Bands	24	20	18	14
Multiple Directionality options	•	•	•	•
Adaptation Management	•	•	•	•
Fitting Formulas	VAC+, NAL-NL1/ NAL-NL2, DSL v5	VAC+, NAL-NL1/ NAL-NL2, DSL v5	VAC+, NAL-NL1/ NAL-NL2, DSL v5	VAC+, NAL-NL1/ NAL-NL2, DSL v5
<b>Connecting to the world</b>				
Oticon Companion app	•	•	•	•
LE Audio	•	•	•	•
Hands-free communication <sup>2</sup>	•	•	•	•
Direct streaming <sup>3</sup>	•	•	•	•
ConnectClip	•	•	•	•
EduMic	•	•	•	•
Remote Control 3.0	•	•	•	•
TV Adapter 3.0	•	•	•	•
Phone Adapter 2.0	•	•	•	•
Tinnitus SoundSupport™	•	•	•	•
CROS/BiCROS support	•	•	•	•

1) Bandwidth accessible for gain adjustments during fitting

2) Hands-free communication is available on select devices

3) From iPhone, iPad, Mac and select Android devices

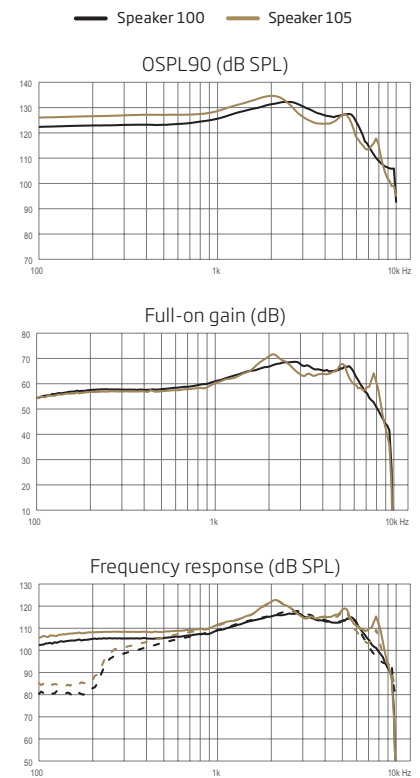
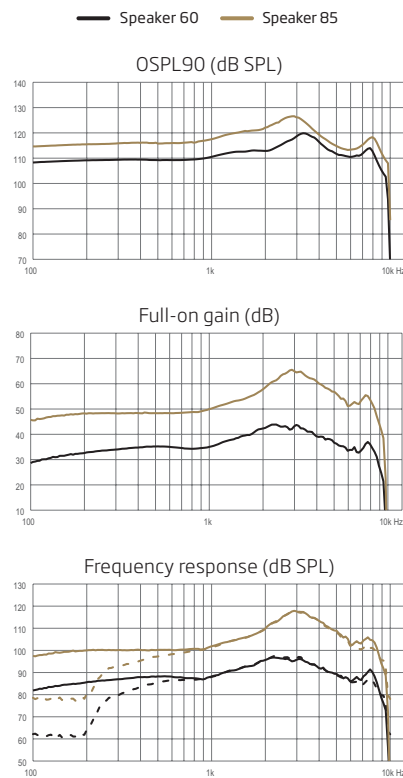
Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010



**Technical information**  
Omnidirectional mode is used unless otherwise stated.

**Speaker 60 / 100**  
— Acoustic input: 60 dB SPL  
- - - Magnetic input: 31.6 mA/m

**Speaker 85 / 105**  
— Acoustic input: 60 dB SPL  
- - - Magnetic input: 31.6 mA/m



	Speaker 60	Speaker 85	Speaker 100	Speaker 105
OSPL90, Peak (dB SPL)	120	127	132	135
OSPL90, 1600 Hz (dB SPL)	113	121	130	133
OSPL90, HFA (dB SPL)	113	121	129	131
Full-on gain, Peak (dB)	44	66	69	72
Full-on gain, 1600 Hz (dB) <sup>1</sup>	40	54	65	65
Full-on gain, HFA (dB)	39	56	65	65
Reference test gain (dB)	33	46	54	57
Frequency range (Hz)	<100-9400	<100-9400	<100-8800	<100-8800
Telecoil output, 1 mA/m field (1600 Hz) (dB SPL)	71	85	97	97
Telecoil output, 10 mA/m field (1600 Hz) (dB SPL)	91	105	117	117
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<2	<2	<2	<2
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<2	<2	<3	<3
Total harmonic distortion (Input 70 dB SPL), 1600 Hz (%)	<3	<3	<2	<3
Equivalent input noise level, Omni (dB SPL)	17	22	16	17
Equivalent input noise level, Dir (dB SPL)	27	30	26	27
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Expected operating time, hours <sup>2</sup>	24	24	24	24

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) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

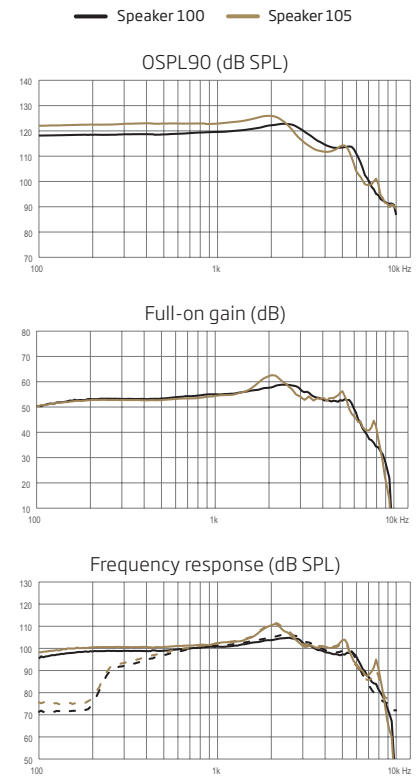
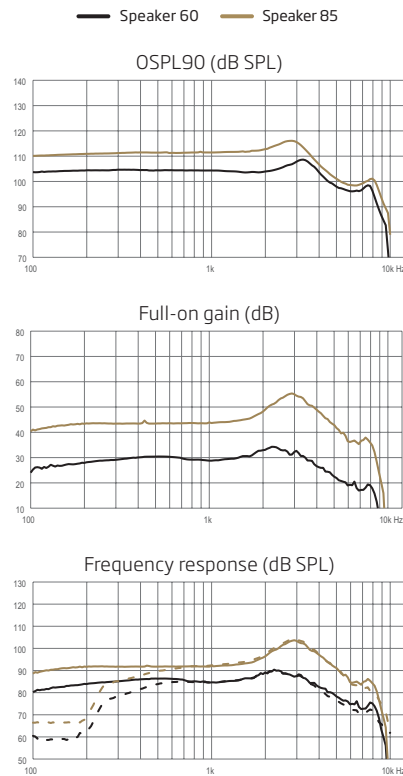
Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006



**Technical information**  
Omnidirectional mode is used unless otherwise stated.

**Speaker 60 / 100**  
— Acoustic input: 60 dB SPL  
- - - Magnetic input: 31.6 mA/m

**Speaker 85 / 105**  
— Acoustic input: 60 dB SPL  
- - - Magnetic input: 31.6 mA/m



	Speaker 60	Speaker 85	Speaker 100	Speaker 105
OSPL90, Peak (dB SPL)	109	116	123	126
OSPL90, 1600 Hz (dB SPL)	104	112	121	125
OSPL90, HFA (dB SPL)	105	113	121	123
Full-on gain, Peak (dB)	34	55	59	63
Full-on gain, 1600 Hz (dB) <sup>1</sup>	31	45	57	57
Full-on gain, HFA (dB)	31	47	57	57
Reference test gain (dB)	27	36	43	45
Frequency range (Hz)	<100-8400	<100-8500	<100-7100	<100-8200
Telecoil output, 1 mA/m field (1000 Hz) (dB SPL)	60	75	86	86
Telecoil output, HFA SPLITS L/R (dB SPL)	87	96	103	105
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<2	<2	<2	<2
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<2	<2	<2	<2
Total harmonic distortion (Input 65 dB SPL), 1600 Hz (%)	<2	<2	<2	<2
Equivalent input noise level, Omni (dB SPL)	18	19	16	17
Equivalent input noise level, Dir (dB SPL)	30	30	29	29
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Expected operating time, hours <sup>2</sup>	24	24	24	24

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) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

# Oticon Intent 2 | 3 | 4 miniRITE

# Ear Simulator

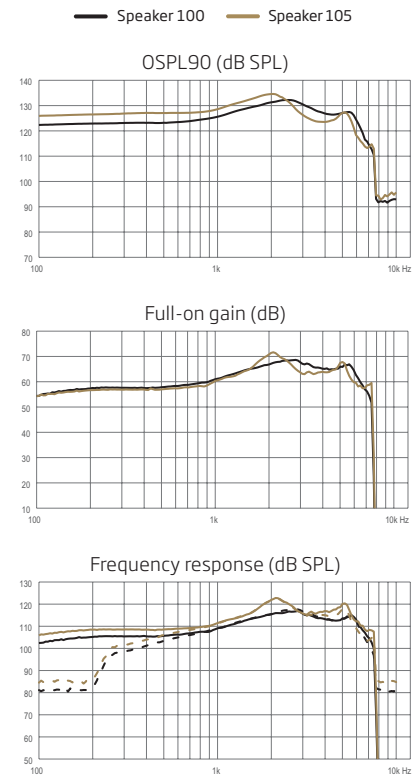
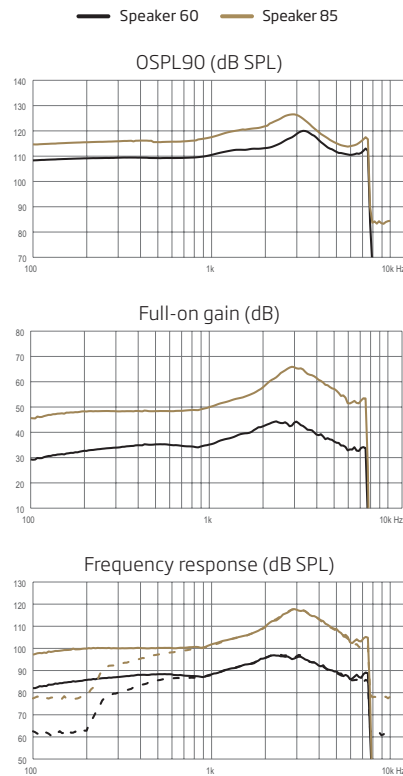
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**Technical information**  
Omnidirectional mode is used unless otherwise stated.

**Speaker 60 / 100**  
— Acoustic input: 60 dB SPL  
- - - Magnetic input: 31.6 mA/m

**Speaker 85 / 105**  
— Acoustic input: 60 dB SPL  
- - - Magnetic input: 31.6 mA/m



	Speaker 60	Speaker 85	Speaker 100	Speaker 105
OSPL90, Peak (dB SPL)	120	127	132	135
OSPL90, 1600 Hz (dB SPL)	113	121	130	133
OSPL90, HFA (dB SPL)	113	121	129	131
Full-on gain, Peak (dB)	44	66	69	72
Full-on gain, 1600 Hz (dB) <sup>1</sup>	40	54	65	65
Full-on gain, HFA (dB)	39	56	65	65
Reference test gain (dB)	33	46	54	57
Frequency range (Hz)	<100-7500	<100-7500	<100-7500	<100-7500
Telecoil output, 1 mA/m field (1600 Hz) (dB SPL)	71	85	97	97
Telecoil output, 10 mA/m field (1600 Hz) (dB SPL)	91	105	117	117
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<2	<2	<2	<2
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<2	<2	<3	<3
Total harmonic distortion (Input 70 dB SPL), 1600 Hz (%)	<3	<3	<2	<3
Equivalent input noise level, Omni (dB SPL)	17	22	16	17
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Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Expected operating time, hours <sup>2</sup>	24	24	24	24

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) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

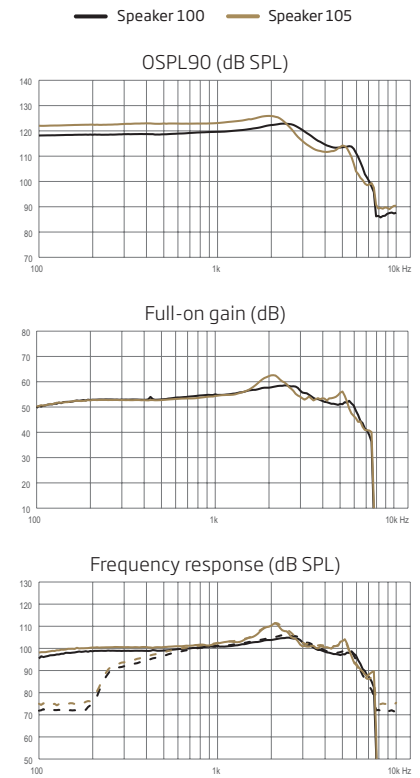
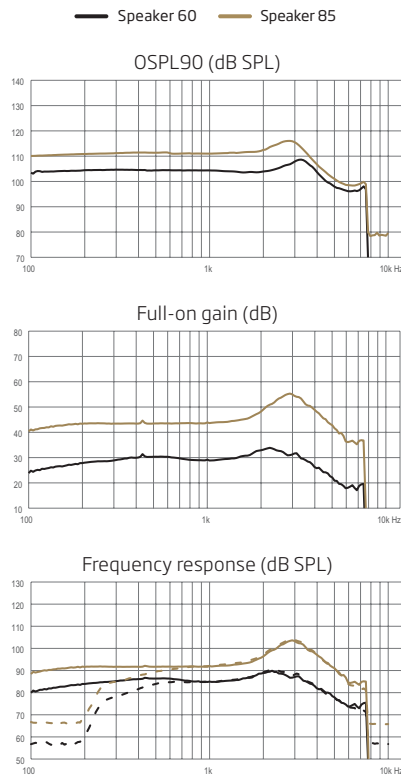
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**Technical information**  
Omnidirectional mode is used unless otherwise stated.

**Speaker 60 / 100**  
— Acoustic input: 60 dB SPL  
- - - Magnetic input: 31.6 mA/m

**Speaker 85 / 105**  
— Acoustic input: 60 dB SPL  
- - - Magnetic input: 31.6 mA/m



	Speaker 60	Speaker 85	Speaker 100	Speaker 105
OSPL90, Peak (dB SPL)	109	116	123	126
OSPL90, 1600 Hz (dB SPL)	104	112	121	125
OSPL90, HFA (dB SPL)	105	113	121	123
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Full-on gain, HFA (dB)	31	47	57	57
Reference test gain (dB)	27	36	43	45
Frequency range (Hz)	<100-7500	<100-7500	<100-7100	<100-7500
Telecoil output, 1 mA/m field (1000 Hz) (dB SPL)	60	75	86	86
Telecoil output, HFA SPLITS L/R (dB SPL)	87	96	103	105
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Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<2	<2	<2	<2
Total harmonic distortion (Input 65 dB SPL), 1600 Hz (%)	<2	<2	<2	<2
Equivalent input noise level, Omni (dB SPL)	18	19	16	17
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Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
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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) Expected operating time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.



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