

Technical data



Oticon Reveal™ 1 | 2 | 3 | 4 miniRITE R

Oticon Reveal™ miniRITE R features a discreet design with a single push-button and a rechargeable lithium-ion battery, compatible with the miniFit Detect speaker system. Built on the new Reveal AI™ platform, fueling the latest BrainHearing™ technologies, this miniRITE

supports Bluetooth® LE Audio, Bluetooth Low Energy, and Auracast™ broadcast. It also offers hands-free communication and direct streaming for iPhone, iPad, Vision Pro, Apple Watch, Mac and select Android™ devices.

Speaker 60



miniRITE R

Speaker 85



miniRITE R

Speaker 100



miniRITE R

Speaker 105



miniRITE R

Technical Features

- › Auracast™ broadcast
- › Bluetooth® LE Audio
- › Bluetooth® Low Energy
- › Contact charging
- › CROS compatible
- › IP68 rated
- › Fast Pair
- › NFMI (Near-Field Magnetic Induction)
- › Tap control

Accessories

- › Oticon Companion app
- › ConnectClip
- › EduMic
- › TV Adapter 3.0
- › Oticon Charger miniRITE
- › miniFit Detect speakers

For information on compatibility, please visit www.oticon.global/compatibility.

This hearing aid also comes as DemoFlex with the same technical data.

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 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

WARNING: No modification of this equipment is allowed.

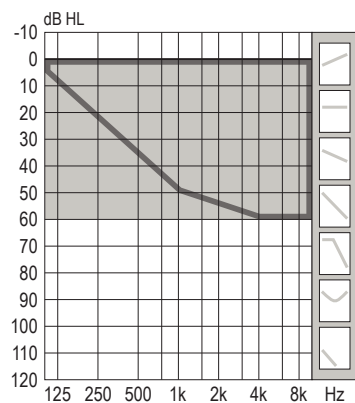
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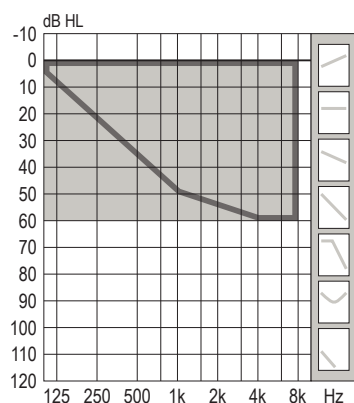
oticon
life-changing technology

Fitting ranges

Oticon Reveal 1



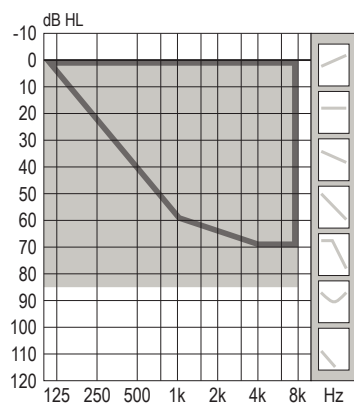
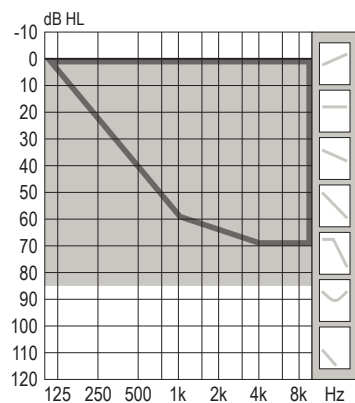
Oticon Reveal 2 | 3 | 4



60

Mould, Bass & Power dome

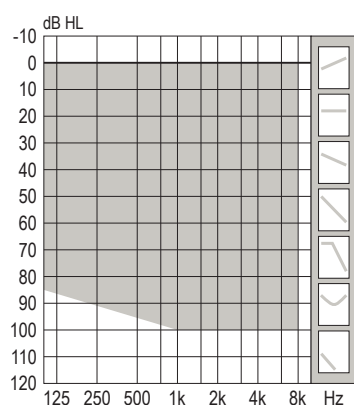
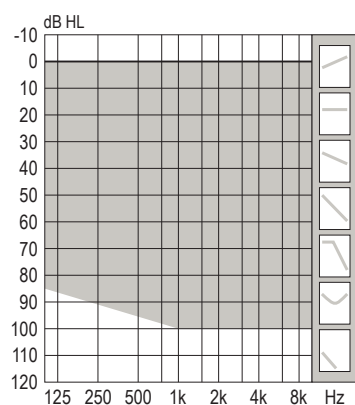
OpenBass dome



85

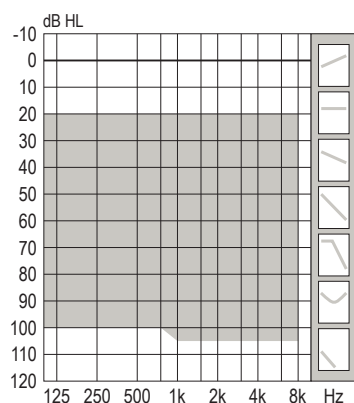
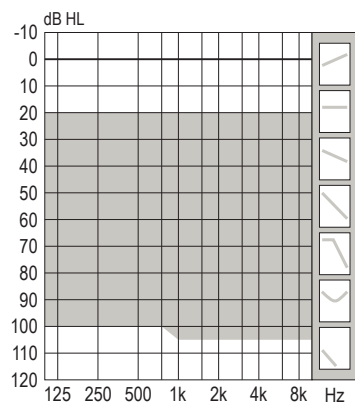
Mould, Bass & Power dome

OpenBass dome



100

MicroShell Detect 100, Bass & Power dome



105

MicroShell Detect 105

Feature overview

	Reveal 1	Reveal 2	Reveal 3	Reveal 4
Speech understanding & listening ease				
Reveal AI Clarifier™	Level 1	Level 2	Level 3	Level 4
4D Sensor technology	•	•	–	–
Environment classifier	5 configurations	5 configurations	3 configurations	1 configuration
AI Voice Clarifier	•	•	•	•
Operating area	3 configurations	2 configurations	2 configurations	1 configuration
Strength	100%	60%	60%	40%
Virtual Outer Ear	3 configurations	2 configurations	2 configurations	1 configuration
AI 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 2.0	•	•	–	–
Wind & Handling Stabilizer	–	–	•	•
Reveal Amplifier™	•	•	•	•
SuddenSound Stabilizer	6 configurations	5 configurations	4 configurations	2 configurations
Reveal Optimizer™	•	•	•	•
Spatial Sound™	4 estimators	4 estimators	4 estimators	–
Soft Speech Booster	•	•	•	•
Frequency lowering, Speech Rescue™	•	•	•	•
Sound quality				
Clear Dynamics	•	•	–	–
Better-Ear Priority	•	•	•	–
Fitting Bandwidth ¹	10 kHz	8 kHz	8 kHz	8 kHz
Power Bass (streaming)	•	•	•	•
Processing Channels	64	48	48	48
Personalisation & optimised fitting				
Fitting Bands	24	20	18	14
Multiple Directionality options	•	•	•	•
Adaptation Management	•	•	•	•
Fitting Formulas	VAC+, NAL-NL1/NAL-NL2/NAL-NL3, DSL v5	VAC+, NAL-NL1/NAL-NL2/NAL-NL3, DSL v5	VAC+, NAL-NL1/NAL-NL2/NAL-NL3, DSL v5	VAC+, NAL-NL1/NAL-NL2/NAL-NL3, DSL v5
Connecting to the world				
Oticon Companion app	•	•	•	•
Bluetooth® LE Audio ²	•	•	•	•
Auracast™ broadcast ²	•	•	•	•
Fast Pair	•	•	•	•
Hands-free communication ²	•	•	•	•
Direct streaming ²	•	•	•	•
Streaming comfort	•	•	•	•
ConnectClip	•	•	•	•
EduMic	•	•	•	•
Remote Control 3.0	•	•	•	•
TV Adapter 3.0	•	•	•	•
Tinnitus SoundSupport™	•	•	•	•
CROS/BiCROS support	•	•	•	•

1) Bandwidth accessible for gain adjustments during fitting

2) Available on select devices. For more information, please visit www.oticon.global/compatibility

Oticon Reveal 1 miniRITE R

Ear Simulator

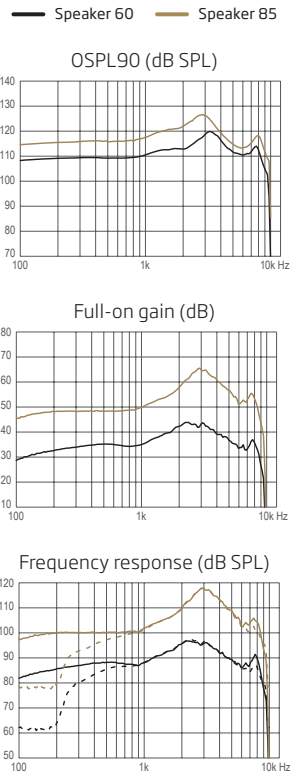
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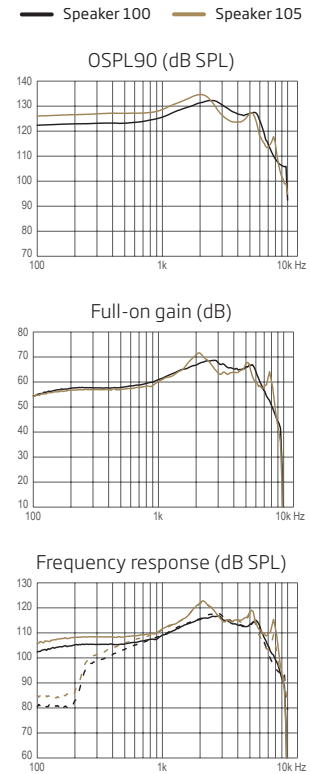
Technical information
Omnidirectional mode is used unless otherwise stated.

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) ¹	44	66	69	72
Full-on gain, 1600 Hz (dB) ¹	40	54	65	65
Full-on gain, HFA (dB) ¹	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
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Expected operating time, hours ²	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 but without influence of feedback.

2) Measurement is done in quiescent mode. Expected use time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

Oticon Reveal 1 miniRITE R

2CC Coupler

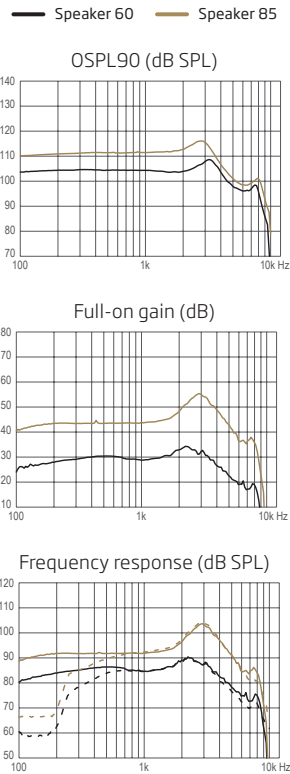
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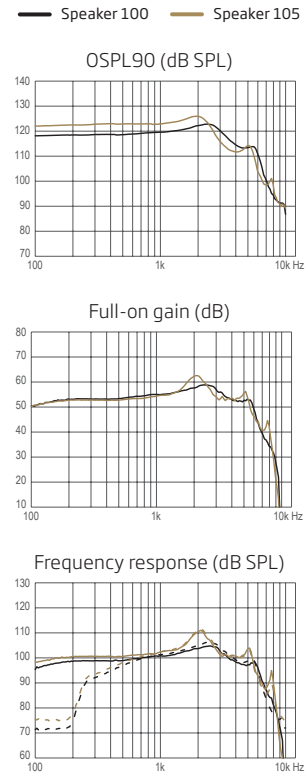
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Speaker 60 Speaker 85



Speaker 100 Speaker 105

OSPL90, Peak (dB SPL)	109	116	123	126
OSPL90, HFA (dB SPL)	105	113	121	123
Full-on gain, Peak (dB) ¹	34	55	59	63
Full-on gain, HFA (dB) ¹	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, HFA SPLITS L/R (dB SPL)	87	96	103	105
Telecoil output, Full-on HFA-SPLIV (dB SPL)	82	99	108	108
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
Total harmonic distortion (Input 60 dB SPL), 3200 Hz (%)	<2	<2	<2	<2
Equivalent input noise level, Omni (dB SPL)	18	19	16	17
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Latency, (ms)	8.1	8.1	8.1	8.1
Expected operating time, hours ²	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 but without influence of feedback.

²) Measurement is done in quiescent mode. Expected use time for rechargeable battery depends on use pattern, active feature set, hearing loss, sound environment, battery age and use of wireless accessories.

Oticon Reveal 2 | 3 | 4 miniRITE R

Ear Simulator

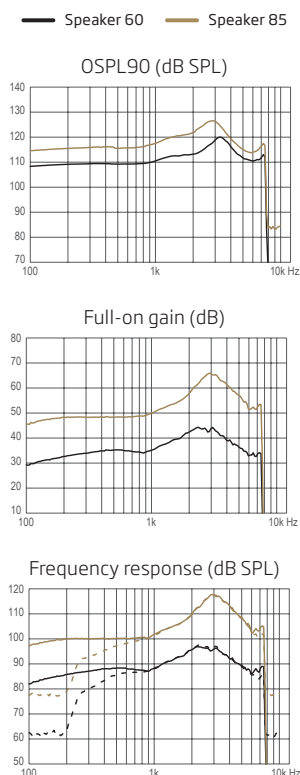
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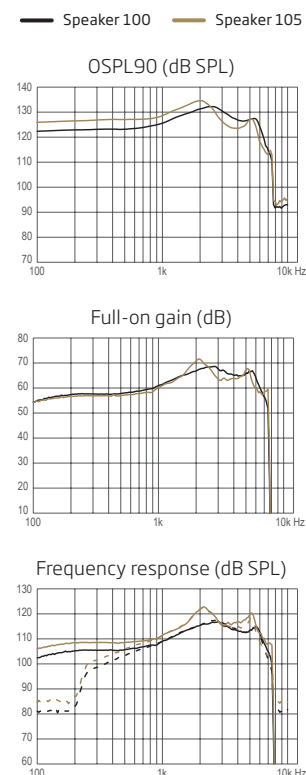
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Full-on gain, HFA (dB) ¹	39	56	65	65
Reference test gain (dB)	33	46	54	57
Frequency range (Hz)	<100-7500	<100-7500	<100-7500	<100-7500
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Telecoil output, 10 mA/m field (1600 Hz) (dB SPL)	91	105	117	117
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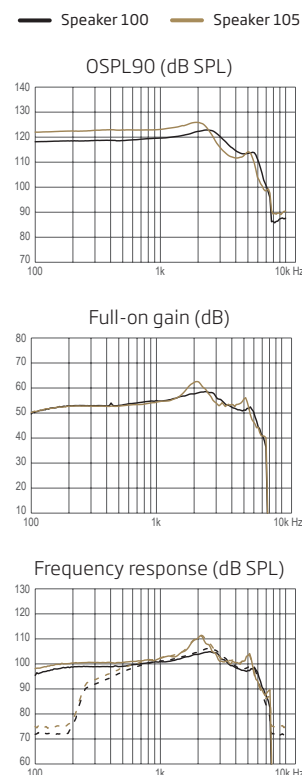
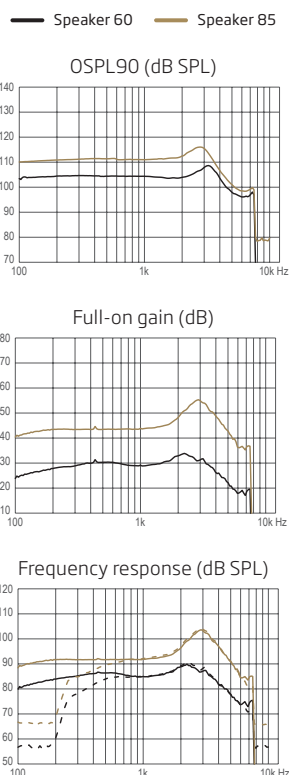
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Total harmonic distortion (Input 65 dB SPL), 1600 Hz (%)	<2	<2	<2	<2
Total harmonic distortion (Input 60 dB SPL), 3200 Hz (%)	<2	<2	<2	<2
Equivalent input noise level, Omni (dB SPL)	18	19	16	17
Battery	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
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299200UK / 2026.03.11 / v1