

TECHNICAL DATA

Encanta 400 | 300 | 200 | 100 miniRITE T

Bernafon Encanta miniRITE T features a disposable zinc air battery, telecoil and double push-button. It is a powerful hearing aid designed for users with slight to profound hearing loss. It includes Bluetooth® LE Audio, Bluetooth Low Energy,

and Auracast™ broadcast and supports hands-free communication and direct streaming for iPhone, iPad, Vision Pro, Apple Watch, Mac and select Android™ devices.

Speaker 60



MNR T

Speaker 85



MNR T

Speaker 100



MNR T

Speaker 105



MNR T

Technical Features

- Auracast™ broadcast
- Bluetooth® LE Audio
- Bluetooth® Low Energy
- Fast Pair
- Telecoil
- NFMI (Near-Field Magnetic Induction)
- Double push-button
- IP68 rated

Accessories

- Bernafon App
- SoundClip-A
- TV-A (TV adapter)
- RC-A (remote control)
- miniFit speakers and earpieces
- Size 312 zinc air battery

For information on compatibility, please visit www.bernafon.com/compatibility.

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

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

Transportation and storage conditions

Temperature and humidity shall not exceed the mentioned limits 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

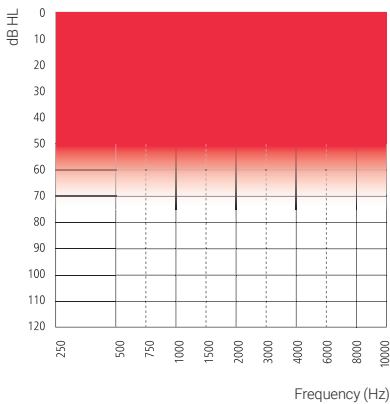
WARNING: No modification of this equipment is allowed.

Apple, the Apple logo, iPhone, iPad, Vision Pro, Apple Watch, Mac and the Mac logo are trademarks of Apple Inc., registered in the U.S. and other countries. Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Google, Android, and related marks and logos are trademarks of Google LLC.. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The Auracast™ word mark and logos are trademarks owned by the Bluetooth SIG. Any use of such marks by Demant is under license. Other trademarks and trade names are those of their respective owners.

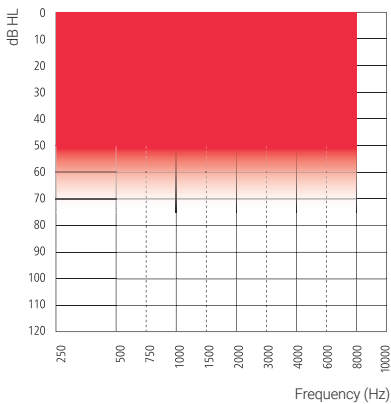


Fitting ranges

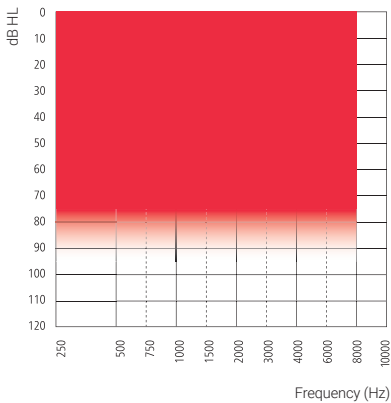
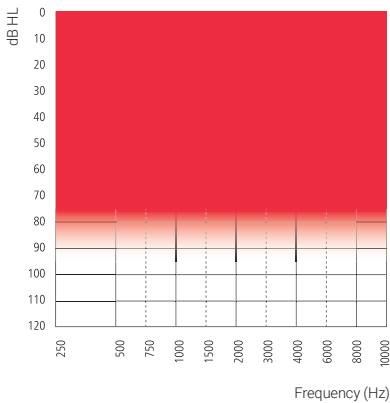
Bernaфон Encanta 400



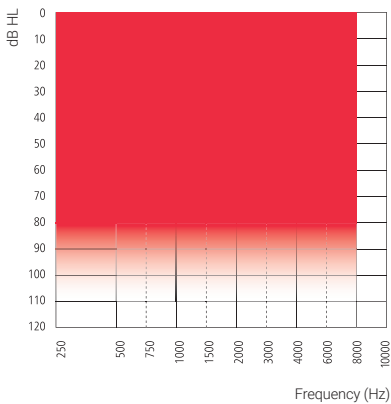
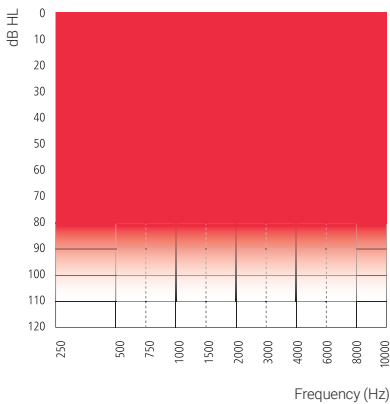
Bernaфон Encanta 300 | 200 | 100



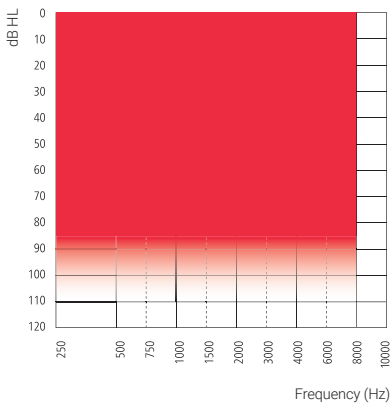
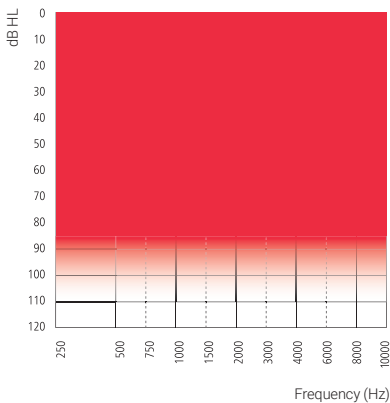
60



85



100



105

Feature overview

	Encanta 400	Encanta 300	Encanta 200	Encanta 100
Smart sound processing				
Smart Amplification	•	•	•	•
Frequency bandwidth	10 kHz	8 kHz	8 kHz	8 kHz
Smart Noise Management	•	•	•	•
Smart Noise Reduction	5 options	4 options	3 options	2 options
Directionality Preference	4 options	4 options	4 options	3 options
Smart Directionality States	3 options	2 options	—	—
Omni Preference	2 options	2 options	—	—
Speech and Noise Balancer	•	•	—	—
Speech Balancer	3 options	2 options	•	•
Noise Balancer	4 options	2 options	—	—
Smart Feedback Canceller	•	•	•	•
Wind Contact Noise Protector	•	•	•	•
Audibility and comfort				
Low Frequency Enhancer	•	•	•	•
Frequency Composition	•	•	•	•
Binaural Noise Manager	•	•	•	—
Transient Noise Reduction	6 options	5 options	4 options	2 options
Dynamic Range Extender	•	•	—	—
Soft Noise Manager	•	•	•	•
Directionality options				
Smart Directionality	•	•	•	—
Adaptive Full Directionality	•	•	•	•
Fixed Directionality	•	•	•	•
Fixed Omni	•	•	•	•
Omni Directional	•	•	—	—
Pinna Effect	•	•	—	—
Individualisation				
Personalisation	•	•	•	•
Fitting bands	24	20	18	14
Program options/memories	13/4	11/4	11/4	9/4
Music Experience	•	•	•	•
Binaural coordination: VC, program changes	•	•	•	•
Automatic Adaptation Manager	•	•	•	•
Transition	4 options	3 options	2 options	1 option
Data Logging	•	•	•	•
Conversation Data	•	•	•	•
Spoken indicators	•	•	•	•
Tinnitus SoundSupport	•	•	•	•
CROS compatibility	•	•	•	•

Encanta 400 miniRITE T

Ear Simulator

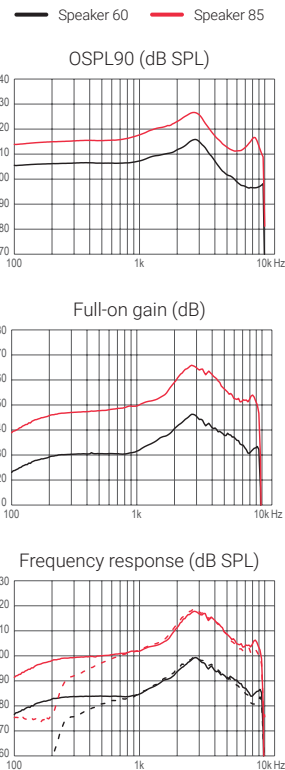
Measured according to IEC 60118-0:1983/AMD1:1994,
IEC 60118-0:2022, IEC 60118-1:1995+AMD1:1998 CSV
and IEC 60318-4:2010



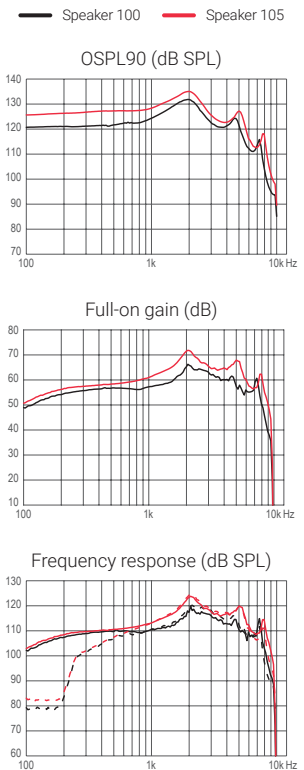
Technical information
Omnidirectional mode is used
unless otherwise stated.

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

	Speaker 60	Speaker 85	Speaker 100	Speaker 105
OSPL90, Peak (dB SPL)	116	127	132	135
OSPL90, 1600 Hz (dB SPL)	110	121	130	133
OSPL90, HFA (dB SPL)	111	122	127	131
Full-on gain, Peak (dB) ¹	46	66	66	72
Full-on gain, 1600 Hz (dB) ¹	37	53	60	66
Full-on gain, HFA (dB) ¹	38	56	61	65
Reference test gain (dB)	30	46	53	58
Frequency range (Hz)	<100-9600	<100-9500	<100-8300	<100-8600
Telecoil output, 1 mA/m field (1600 Hz) (dB SPL)	68	84	91	96
Telecoil output, 10 mA/m field (1600 Hz) (dB SPL)	88	104	111	116
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<3	<2	<9	<4
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<3	<4	<6	<4
Total harmonic distortion (Input 70 dB SPL), 1600 Hz (%)	<2	<5	<3	<4
Equivalent input noise level, Omni (dB SPL)	18	21	17	15
Battery consumption, Typical (mA) ²	1.9	2.0	2.0	2.0
Battery consumption, Quiescent (mA) ²	1.9	1.9	1.9	1.9
Battery life, artificial measurement, hours ³	95	90	90	90
Expected battery life, hours (battery size 312 - IEC PR41) ⁴	55-60	50-55	50-55	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 but without influence of feedback.
- 2) Battery current is measured after a settling time of minimum 3 minutes.
- 3) Based on the standardised battery consumption measurement. 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).

Encanta 400 miniRITE T

2CC Coupler

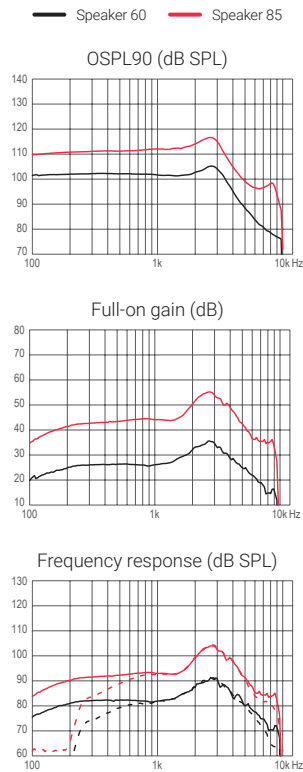
Measured according to ANSI S3.22:2024,
IEC 60118-0:2022 and IEC 60318-5:2006



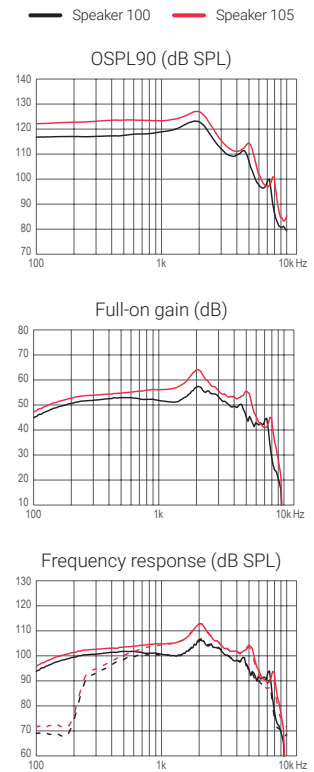
Technical information
Omnidirectional mode is used
unless otherwise stated.

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

	Speaker 60	Speaker 85	Speaker 100	Speaker 105
OSPL90, Peak (dB SPL)	105	117	123	127
OSPL90, HFA (dB SPL)	103	114	119	123
Full-on gain, Peak (dB) ¹	36	55	57	64
Full-on gain, HFA (dB) ¹	30	48	53	58
Reference test gain (dB)	26	37	42	47
Frequency range (Hz)	<100-9400	<100-8900	<100-7500	<100-7800
Telecoil output, HFA SPLITS L/R (dB SPL)	85	96	101	106
Telecoil output, Full-on HFA-SPLIV (dB SPL)	80	98	104	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)	16	17	16	16
Battery consumption, Typical (mA) ²	2.0	2.2	2.1	2.1
Battery consumption, Quiescent (mA) ²	1.9	2.0	2.0	2.0
Battery life, artificial measurement, hours ³	90	85	85	85
Latency, (ms)	8.1	8.1	8.1	8.1
Expected battery life, hours (battery size 312 - IEC PR41) ⁴	55-60	50-55	50-55	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 but without influence of feedback.
- 2) Battery current is measured after a settling time of minimum 3 minutes.
- 3) Based on the standardised battery consumption measurement. 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).

Encanta 300 | 200 | 100 miniRITE T

Ear Simulator

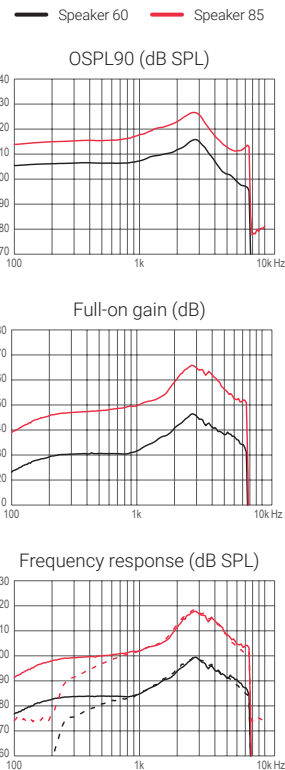
Measured according to IEC 60118-0:1983/AMD1:1994,
IEC 60118-0:2022, IEC 60118-1:1995+AMD1:1998 CSV
and IEC 60318-4:2010



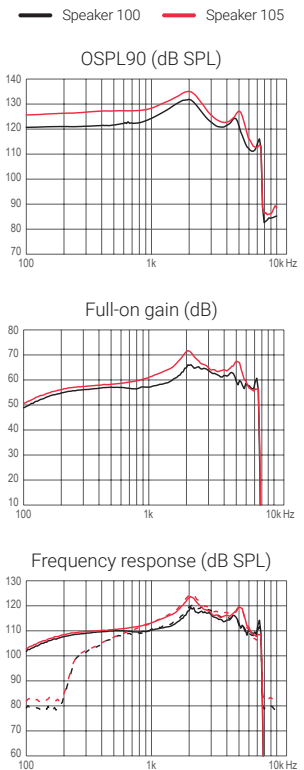
Technical information
Omnidirectional mode is used
unless otherwise stated.

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

	Speaker 60	Speaker 85	Speaker 100	Speaker 105
OSPL90, Peak (dB SPL)	116	127	132	135
OSPL90, 1600 Hz (dB SPL)	110	121	130	133
OSPL90, HFA (dB SPL)	111	122	127	131
Full-on gain, Peak (dB) ¹	46	66	66	72
Full-on gain, 1600 Hz (dB) ¹	37	53	60	66
Full-on gain, HFA (dB) ¹	38	56	61	65
Reference test gain (dB)	30	46	53	58
Frequency range (Hz)	<100-7500	<100-7500	<100-7500	<100-7500
Telecoil output, 1 mA/m field (1600 Hz) (dB SPL)	68	84	91	96
Telecoil output, 10 mA/m field (1600 Hz) (dB SPL)	88	104	111	116
Total harmonic distortion (Input 70 dB SPL), 500 Hz (%)	<3	<2	<9	<4
Total harmonic distortion (Input 70 dB SPL), 800 Hz (%)	<3	<4	<6	<4
Total harmonic distortion (Input 70 dB SPL), 1600 Hz (%)	<2	<5	<3	<4
Equivalent input noise level, Omni (dB SPL)	18	21	17	15
Battery consumption, Typical (mA) ²	1.9	2.0	2.0	2.0
Battery consumption, Quiescent (mA) ²	1.9	1.9	1.9	1.9
Battery life, artificial measurement, hours ³	95	90	90	90
Expected battery life, hours (battery size 312 - IEC PR41) ⁴	55-60	50-55	50-55	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 but without influence of feedback.
- 2) Battery current is measured after a settling time of minimum 3 minutes.
- 3) Based on the standardised battery consumption measurement. 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).

Encanta 300 | 200 | 100 miniRITE T

2CC Coupler

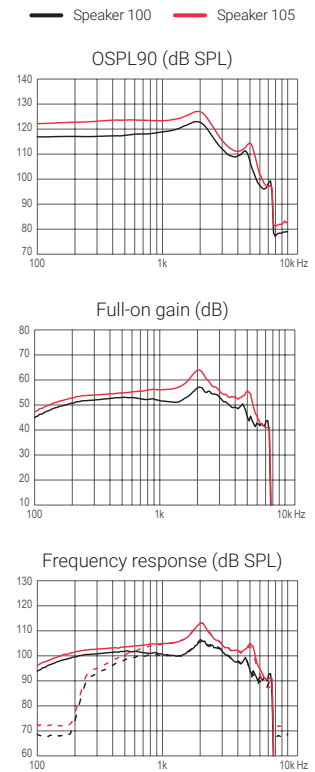
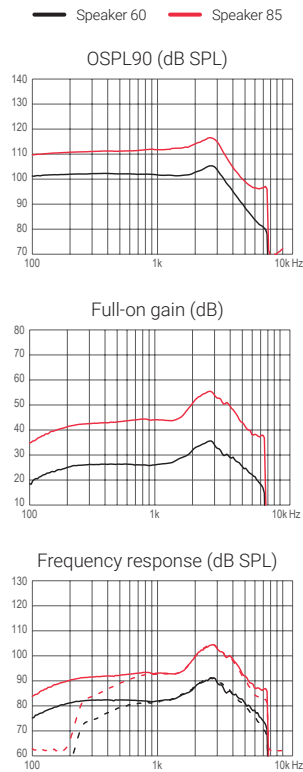
Measured according to ANSI S3.22:2024,
IEC 60118-0:2022 and IEC 60318-5:2006



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)	105	117	123	127
OSPL90, HFA (dB SPL)	103	114	119	123
Full-on gain, Peak (dB) ¹	36	55	57	64
Full-on gain, HFA (dB) ¹	30	48	53	58
Reference test gain (dB)	26	37	42	47
Frequency range (Hz)	<100-7500	<100-7500	<100-7500	<100-7500
Telecoil output, HFA SPLITS L/R (dB SPL)	85	96	101	106
Telecoil output, Full-on HFA-SPLIV (dB SPL)	80	98	104	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)	16	17	16	16
Battery consumption, Typical (mA) ²	2.0	2.2	2.1	2.1
Battery consumption, Quiescent (mA) ²	1.9	2.0	2.0	2.0
Battery life, artificial measurement, hours ³	90	85	85	85
Latency, (ms)	8.1	8.1	8.1	8.1
Expected battery life, hours (battery size 312 - IEC PR41) ⁴	55-60	50-55	50-55	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 but without influence of feedback.
- 2) Battery current is measured after a settling time of minimum 3 minutes.
- 3) Based on the standardised battery consumption measurement. 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).

