

Technical data sheet

miniRITE

60 85 100 105



		Oticon Ruby 1	Oticon Ruby 2
Speech Understanding	Noise Reduction LX	•	•
	Multiband Adaptive Directionality LX	•	•
	Single Compression LX	•	•
	Speech Rescue™ LX	•	-
Sound Quality	Fitting Bandwidth*	8 KHz	8 KHz
	Processing Channels	48	48
	Bass Boost (streaming)	•	•
Listening Comfort	Transient Noise Management	On/Off	-
	SuperShield	•	-
	Feedback shield LX	•	•
	Wind Noise Management	•	•
Optimizing Fitting	Fitting Bands	10	8
	Adaptation Management	•	•
	Oticon Firmware Updater	•	•
	Multiple Directionality options	•	•
	Fitting Formulas	NAL-NL1+2, DSL v5.0	NAL-NL1+2, DSL v5.0
Connecting to the World	Stereo streaming (2.4 GHz)	•	•
	Oticon ON App	•	•
	ConnectClip	•	•
	Remote Control 3.0	•	•
	TV Adapter 3.0	•	•
	Phone Adapter 2.0	•	•
	EduMic	•	•
	Tinnitus SoundSupport™	•	•
	CROS/ BiCROS support	•	•

* Bandwidth accessible for gain adjustments during fitting

Operating conditions

Temperature: +1°C to +40°C (34°F to 104°F)
Humidity: 5% - 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.
Temperature: -25°C to +60°C (-13°F to 140°F)
Humidity: 5% - 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Apple, the Apple logo, iPhone, iPad, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

miniRITE offers a discreet design with a 312 battery and a single push button.

SuperShield rapidly and intelligently prevents feedback before it occurs.

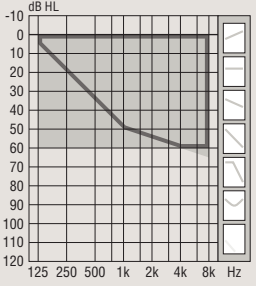
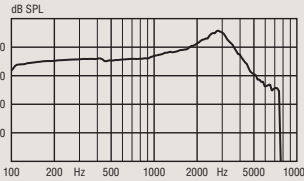
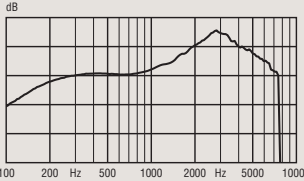
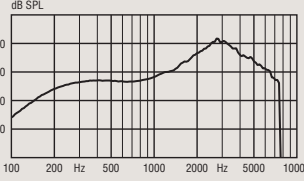
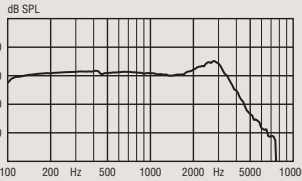
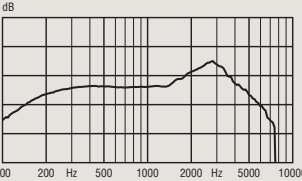
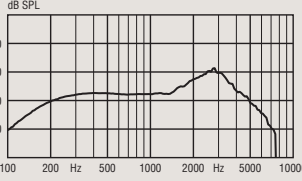
TwinLink™ wireless technology combines binaural communication and 2.4 GHz connectivity with stereo streaming directly from digital devices.

The powerful Velox S™ platform has programmable firmware architecture, supporting future performance updates.

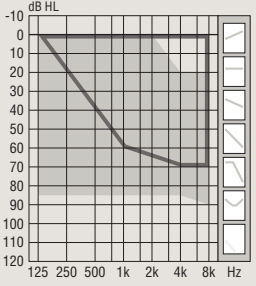
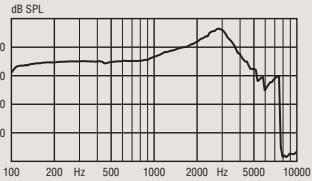
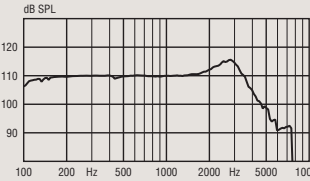
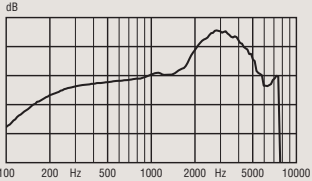
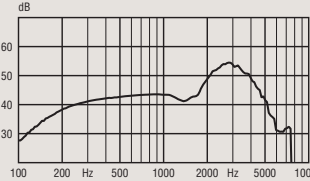
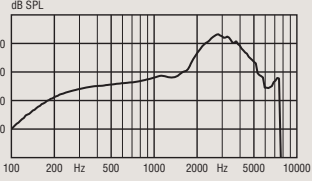
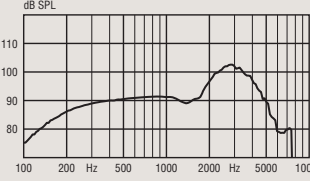


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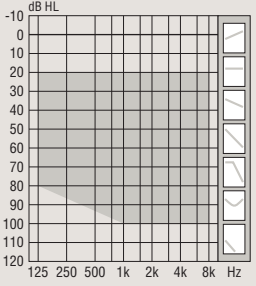
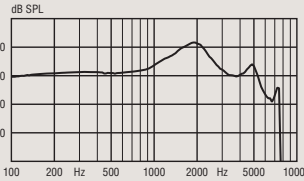
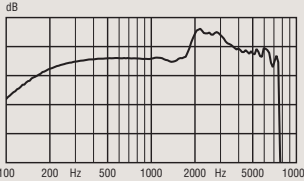
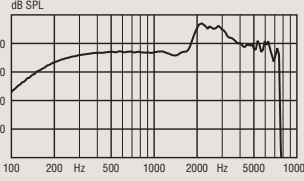
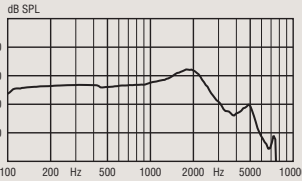
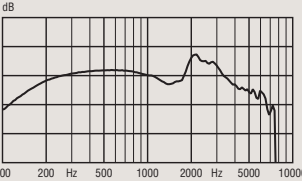
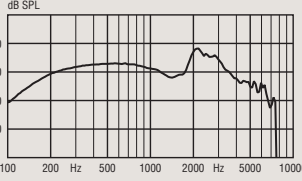
For information on compatibility, please visit www.oticon.com/solutions/accessories

		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
 60 ☐ Open dome ☒ Mold, Bass & Power dome Technical information Omnidirectional mode is used unless otherwise stated.		OSPL90  Full-on Gain  Frequency Response 	OSPL90  Full-on Gain  Frequency Response 
OSPL90	Peak 1600 Hz HFA-OSPL90	116 dB SPL 109 dB SPL 110 dB SPL	105 dB SPL 100 dB SPL 102 dB SPL
Full-on gain ¹	Peak 1600 Hz HFA-FOG	46 dB 37 dB 38 dB	35 dB 29 dB 30 dB
Reference test gain		30 dB	26 dB
Frequency range		110-7500 Hz	100-7500 Hz
Telecoil output (1600 Hz)	1 mA/m field 10 mA/m field SPLITS L/R	- - -	- - -
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	< 2 % < 3 % < 2 %	< 2 % < 2 % < 2 %
Equivalent input noise level	Omni Dir	22 dB SPL 30 dB SPL	19 dB SPL 28 dB SPL
Battery consumption ²	Typical Quiescent	1.5 mA 1.5 mA	1.6 mA 1.5 mA
Battery life, artificial measurement, hours ³		120	115
Expected battery life, hours (battery size 312 - IEC PR41) ⁴		60-65	

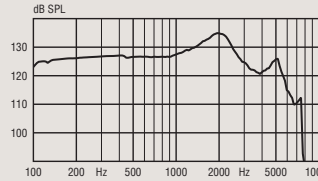
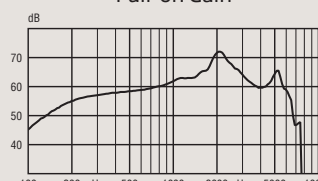
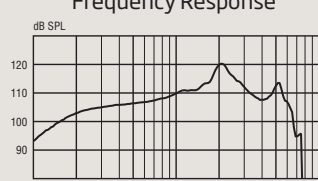
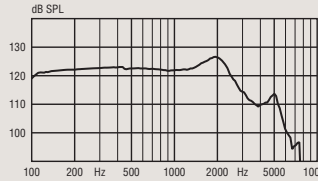
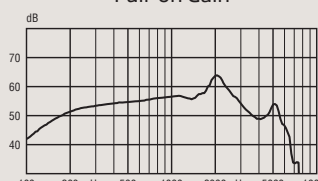
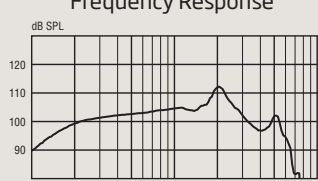
- 1) Measured with the gain control of the hearing aid set to its full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.
- 2) Battery current is measured according 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 a minimum of 3 minutes.
- 3) Based on the standardized battery consumption measurement (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).

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		Full-on Gain 	Full-on Gain 
		Frequency Response 	Frequency Response 
OSPL90		Peak 1600 Hz HFA-OSPL90	127 dB SPL 120 dB SPL 121 dB SPL
Full-on gain ¹		Peak 1600 Hz HFA-FOG	66 dB 52 dB 55 dB
Reference test gain			45 dB
Frequency range			120-7500 Hz
Telecoil output (1600 Hz)		1 mA/m field 10 mA/m field SPLITS L/R	- - -
Total harmonic distortion (Input 70 dB SPL)		500 Hz 800 Hz 1600 Hz	< 2 % < 3 % < 2 %
Equivalent input noise level		Omni Dir	26 dB SPL 33 dB SPL
Battery consumption ²		Typical Quiescent	1.6 mA 1.5 mA
Battery life, artificial measurement, hours ³			110
Expected battery life, hours (battery size 312 - IEC PR41) ⁴			55-65

- Measured with the gain control of the hearing aid set to its 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+A1:1994 but without influence of feedback.
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 100 Power Receiver Mold, Bass & Power dome 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 instrument as there may be risk of impairing the remaining hearing of the hearing aid user.		OSPL90  Full-on Gain  Frequency Response 	OSPL90  Full-on Gain  Frequency Response 
OSPL90		Peak 132 dB SPL 1600 Hz 130 dB SPL HFA-OSPL90 127 dB SPL	122 dB SPL 121 dB SPL 118 dB SPL
Full-on gain ¹		Peak 66 dB 1600 Hz 56 dB HFA-FOG 59 dB	57 dB 48 dB 51 dB
Reference test gain		49 dB	42 dB
Frequency range		100-7500 Hz	100-7500 Hz
Telecoil output (1600 Hz)		1 mA/m field - 10 mA/m field - SPLITS L/R -	- - -
Total harmonic distortion (Input 70 dB SPL)		500 Hz < 7 % 800 Hz < 4 % 1600 Hz < 2 %	< 2 % < 2 % < 2 %
Equivalent input noise level		Omni 23 dB SPL Dir 32 dB SPL	19 dB SPL 30 dB SPL
Battery consumption ²		Typical 1.5 mA Quiescent 1.5 mA	1.7 mA 1.5 mA
Battery life, artificial measurement, hours ³		115	105
Expected battery life, hours (battery size 312 - IEC PR41) ⁴		50-65	

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OSPL90	Peak	135 dB SPL	127 dB SPL
	1600 Hz	132 dB SPL	125 dB SPL
	HFA-OSPL90	130 dB SPL	122 dB SPL
Full-on gain ¹	Peak	72 dB	64 dB
	1600 Hz	65 dB	57 dB
	HFA-FOG	65 dB	57 dB
Reference test gain		58 dB	46 dB
Frequency range		100-7500 Hz	100-6500 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
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	18 dB SPL
	Dir	28 dB SPL	29 dB SPL
Battery consumption ²	Typical	1.6 mA	1.7 mA
	Quiescent	1.5 mA	1.5 mA
Battery life, artificial measurement, hours ³		110	105
Expected battery life, hours (battery size 312 - IEC PR41) ⁴		45-65	

- 1) Measured with the gain control of the hearing aid set to its 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+A1:1994 but without influence of feedback.
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241485US / 2022.02.28 / v1