OTICON | **Ruby**

Technical data sheet

miniRITE R

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™	•	•
	Oticon CROS compatible	•	•

* Bandwidth accessible for gain adjustments during fitting

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

Charging conditions
Temperature: +5°C to +40°C (41°F to 104°F)
Relative humidity: 5% to 93%, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Storage and transportation conditions
Temperature and humidity should not exceed the below limits for extended periods during transportation and storage.

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

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

miniRITE R offers a discreet design powered by a rechargeable lithium-ion battery. The inductive charger secures reliable and fast charging within 3 hours for a full charge.

miniRITE R features telecoil and a convenient double 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.

Oticon BrainHearing™ Technology Powered by Velox S™

TwinLink NFMI + 2,4 GHz

Made for iPhone | iPad | iPod

IP68

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

oticon life-changing technology

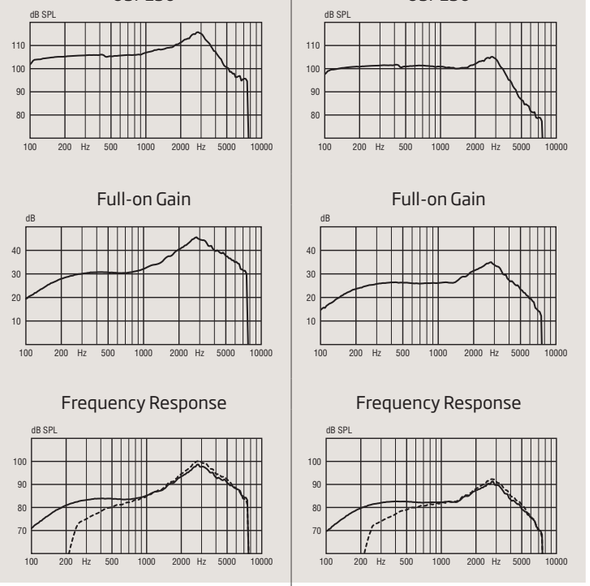
Oticon Ruby

miniRITE R 60

Open dome

Mold, Bass & Power dome

Technical information
Omnidirectional mode is used unless otherwise stated.



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

		Ear Simulator	2CC Coupler
		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	Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
OSPL90	Peak	116 dB SPL	105 dB SPL
	1600 Hz	109 dB SPL	100 dB SPL
	HFA-OSPL90	110 dB SPL	102 dB SPL
Full-on gain[1]	Peak	46 dB	35 dB
	1600 Hz	37 dB	29 dB
	HFA-FOG	38 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	67 dB SPL	-
	10 mA/m field	87 dB SPL	-
	SPLITS L/R	-	85/85 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	22 dB SPL	19 dB SPL
	Dir	30 dB SPL	28 dB SPL
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]		24	

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

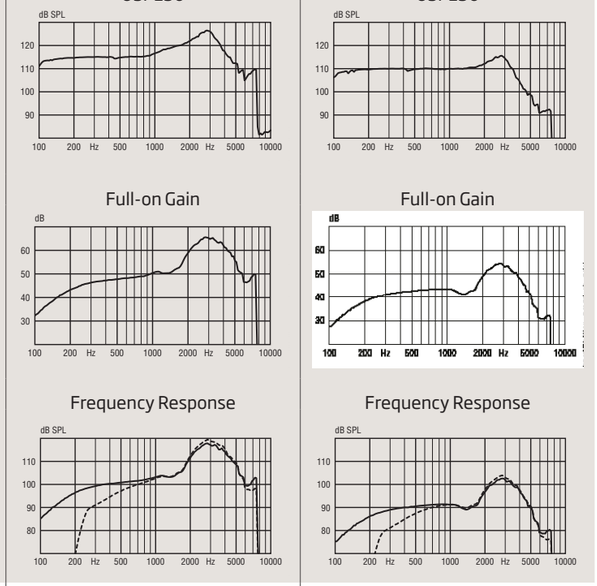
Oticon Ruby

miniRITE R 85

Open dome

Mold, Bass & Power dome

Technical information
Omnidirectional mode is used unless otherwise stated.

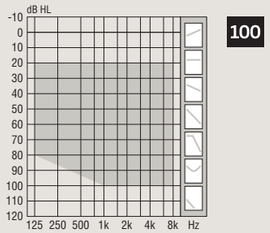


Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

		Ear Simulator	2CC Coupler
		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	Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
OSPL90	Peak	127 dB SPL	116 dB SPL
	1600 Hz	120 dB SPL	111 dB SPL
	HFA-OSPL90	121 dB SPL	112 dB SPL
Full-on gain[1]	Peak	66 dB	54 dB
	1600 Hz	52 dB	43 dB
	HFA-FOG	55 dB	47 dB
Reference test gain		45 dB	34 dB
Frequency range		120-7500 Hz	100-7500 Hz
Telecoil output (1600 Hz)	1 mA/m field	82 dB SPL	-
	10 mA/m field	102 dB SPL	-
	SPLITS L/R	-	94/94 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	26 dB SPL	21 dB SPL
	Dir	33 dB SPL	30 dB SPL
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]		24	

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

miniRITE R 100



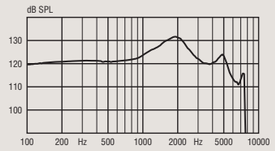
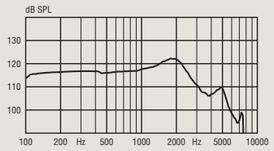
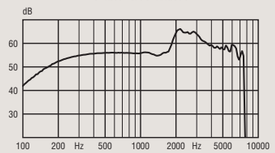
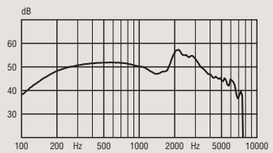
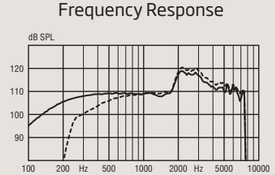
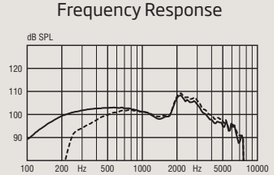
100

Power Receiver Mold, Bass & Power dome

Technical information
Omnidirectional mode is used unless otherwise stated.

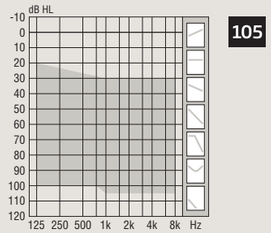
Warning to the instrument dispenser
The maximum output capability of the hearing aid may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the instrument, as there may be risk of impairing the remaining hearing of the hearing aid user.

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

		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 	Frequency Response 
OSPL90	Peak	132 dB SPL	122 dB SPL
	1600 Hz	130 dB SPL	121 dB SPL
	HFA-OSPL90	127 dB SPL	118 dB SPL
Full-on gain[1]	Peak	66 dB	57 dB
	1600 Hz	56 dB	48 dB
	HFA-FOG	59 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	86 dB SPL	-
	10 mA/m field	106 dB SPL	-
	SPLITS L/R	-	103/103 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<7 %	<2 %
	800 Hz	<4 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level	Omni	23 dB SPL	19 dB SPL
	Dir	32 dB SPL	30 dB SPL
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]		24	

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

miniRITE R 105



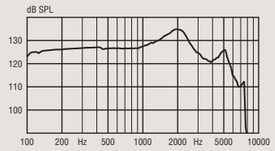
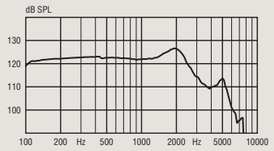
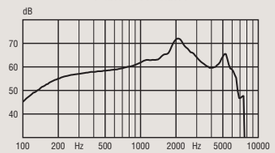
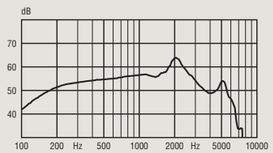
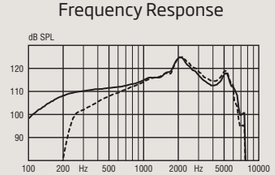
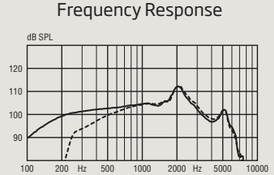
105

Power Receiver Mold

Technical information
Omnidirectional mode is used unless otherwise stated.

Warning to the instrument 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.

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

		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 	Frequency Response 
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	96 dB SPL	-
	10 mA/m field	116 dB SPL	-
	SPLITS L/R	-	105/105 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	18 dB SPL
	Dir	28 dB SPL	29 dB SPL
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours[2]		24	

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

Notes

Notes

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