OTICON | **Ruby**

Technical data sheet

BTE

Digitally signed by Mojila Violetta
Date: 2023.12.09 11:17:52 EET
Reason: MoldSign Signature
Location: Moldova

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		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	•	•
Optimising 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	•	•
	DAI/FM	•	•
	Tinnitus SoundSupport™	•	•
	Oticon CROS compatible	•	•

* Bandwidth accessible for gain adjustments during fitting

BTE offers a compact design with a double push button and an 85 receiver, using the 8 KHz bandwidth for excellent sound quality.

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.

Operating conditions
Temperature: +1°C to +40°C
Relative humidity: 5% to 93%, non-condensing

Storage and transportation conditions
Temperature and humidity should not exceed the below limits for extended periods during transportation and storage.
Temperature: -25°C to +60°C
Relative humidity: 5% to 93%, non-condensing

TwinLink NFMI + 2,4 GHz

Made for iPhone | iPad | iPod

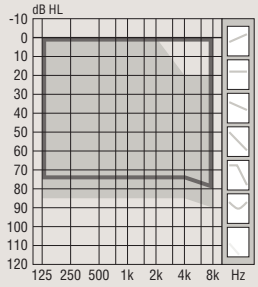
IP68

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

oticon
life-changing technology

Oticon Ruby

BTE



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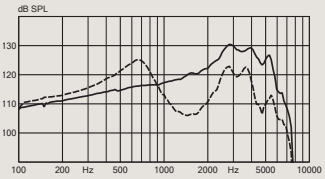
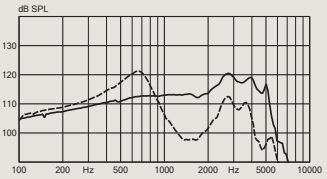
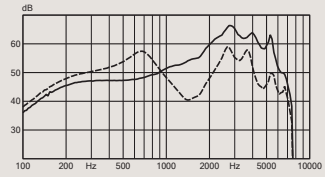
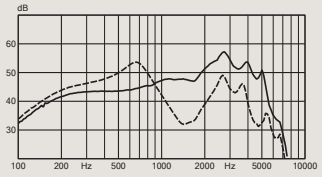
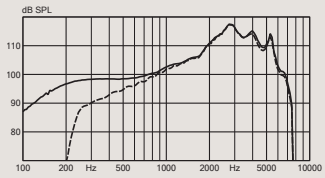
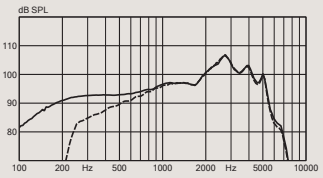
Hook

Corda miniFit

Technical information
Omnidirectional mode is used unless otherwise stated.

		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
			
		Standard tube Thin tube (size 1/1.3)	Standard tube Thin tube (size 1/1.3)
		Frequency Response	Frequency Response
			
		Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m
OSPL90	Peak	130 (125[1]) dB SPL	120 (121[1]) dB SPL
	1600 Hz	121 (107[1]) dB SPL	113 (98[1]) dB SPL
	HFA-OSPL90	122 (113[1]) dB SPL	115 (105[1]) dB SPL
Full-on gain[2]	Peak	66 (59[1]) dB	57 (54[1]) dB
	1600 Hz	55 (41[1]) dB	47 (33[1]) dB
	HFA-FOG	57 (49[1]) dB	50 (41[1]) dB
Reference test gain		46 dB	39 dB
Frequency range		105-7500	100-7000
Telecoil output (1600 Hz)	1 mA/m field	85 dB SPL	-
	10 mA/m field	105 dB SPL	-
	SPLITS L/R	-	97/97 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	800 Hz	2 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level	Omni	21 dB SPL	18 dB SPL
	Dir	31 dB SPL	28 dB SPL
Battery consumption[3]	Typical	1.4 mA	1.7 mA
	Quiescent	1.3 mA	1.7 mA
Battery life, artificial measurement, hours[4]		230	180
Expected battery life, hours (battery size 13 - IEC PR48)[5]		105-115	
IRIL (IEC 60118-13:2011)		700/1400/2000 MHz: 18/13/40 dB SPL	

1) For instruments fitted with Corda miniFit.
2) 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.
3) 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 minimum 3 minutes.
4) Based on the standardised 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.
5) 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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