

Technical data sheet

BTE PP

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
	Processing Channels	48
	Bass Boost (streaming)	•
Listening Comfort	Transient Noise Management	On/Off
	SuperShield	•
	Feedback shield LX	•
	Wind Noise Management	•
Optimizing Fitting	Fitting Bands	10
	Adaptation Management	•
	Oticon Firmware Updater	•
	Multiple Directionality options	•
	Fitting Formulas	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

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

BTE PP offers a compact design with a double push button and a 105 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.

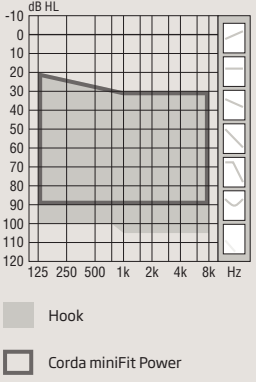
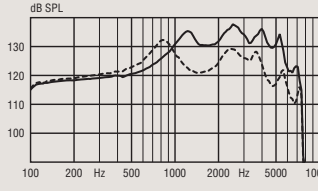
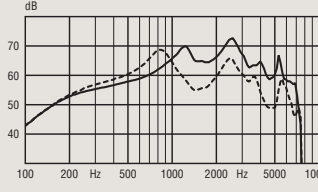
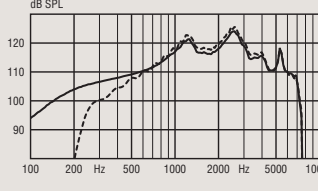
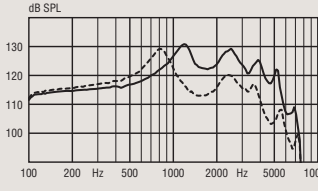
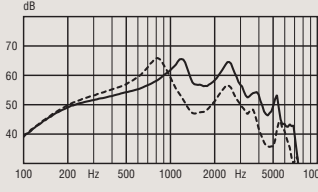
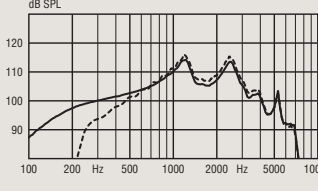
The powerful Velox S™ platform has programmable firmware architecture, supporting future performance updates.

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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
 105		OSPL90  Full-on Gain  Frequency Response 	OSPL90  Full-on Gain  Frequency Response 
OSPL90		Peak 138 (132 ¹) dB SPL 1600 Hz 130 (121 ¹) dB SPL HFA-OSPL90 133 (126 ¹) dB SPL	Peak 131 (129 ¹) dB SPL 1600 Hz 123 (113 ¹) dB SPL HFA-OSPL90 126 (118 ¹) dB SPL
Full-on gain ²		Peak 73 (69 ¹) dB 1600 Hz 65 (56 ¹) dB HFA-FOG 68 (62 ¹) dB	Peak 66 (66 ¹) dB 1600 Hz 57 (47 ¹) dB HFA-FOG 61 (54 ¹) dB
Reference test gain		57 dB	50 dB
Frequency range		150-7300	120-7000
Telecoil output (1600 Hz)		1 mA/m field 97 dB SPL 10 mA/m field 117 dB SPL	-
SPLITS L/R		-	109/109 dB SPL
Total harmonic distortion (Input 70 dB SPL)		500 Hz 7 % 800 Hz 5 % 1600 Hz < 2 %	3 % < 2 % < 2 %
Equivalent input noise level		Omni 17 dB SPL Dir 29 dB SPL	14 dB SPL 27 dB SPL
Battery consumption ³		Typical 1.8 mA Quiescent 1.6 mA	1.9 mA 1.6 mA
Battery life, artificial measurement, hours ⁴		175	160
Expected battery life, hours (battery size 13 - IEC PR48) ⁵		80-105	
IRIL (IEC 60118-13:2016)		700/1400/2000 MHz: 18/20/40 dB SPL	

- For instruments fitted with Corda miniFit Power.
- 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.
- 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.
- 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.
- 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).