

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 (34°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 shall not exceed the below limits for extended periods during transportation and storage.
Temperature: -25°C to +60°C (-13°F to 140°F)
Relative humidity: 5% to 93%, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

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.

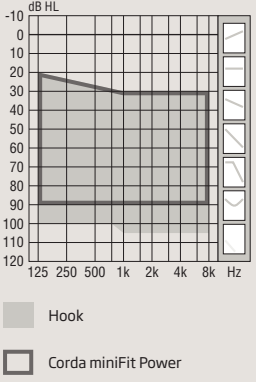
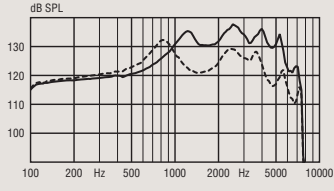
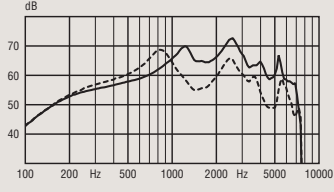
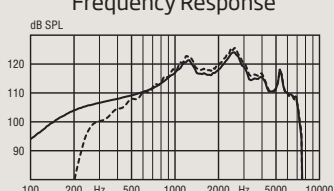
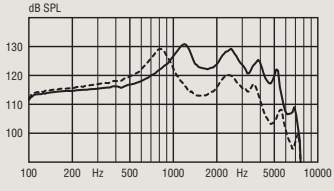
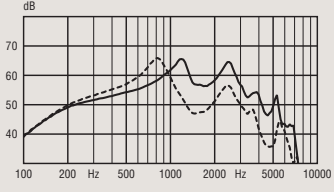
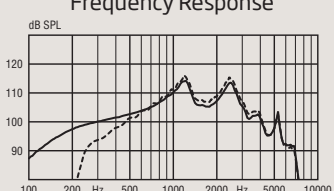
The powerful Velox S™ platform has programmable firmware architecture, supporting future performance updates.

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

		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 Hook Corda miniFit Power		OSPL90  Full-on Gain  Frequency Response 	OSPL90  Full-on Gain  Frequency Response 
Technical information Omnidirectional mode is used unless otherwise stated.			
Instrument warning The maximum output capability of the hearing instrument 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 Peak 1600 Hz HFA-OSPL90		138 (132 ¹) dB SPL 130 (121 ¹) dB SPL 133 (126 ¹) dB SPL	131 (129 ¹) dB SPL 123 (113 ¹) dB SPL 126 (118 ¹) dB SPL
Full-on gain² Peak 1600 Hz HFA-FOG		73 (69 ¹) dB 65 (56 ¹) dB 68 (62 ¹) dB	66 (66 ¹) dB 57 (47 ¹) dB 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 10 mA/m field SPLITS L/R		97 dB SPL 117 dB SPL -	- - 109/109 dB SPL
Total harmonic distortion (Input 70 dB SPL) 500 Hz 800 Hz 1600 Hz		7 % 5 % < 2 %	3 % < 2 % < 2 %
Equivalent input noise level Omni Dir		17 dB SPL 29 dB SPL	14 dB SPL 27 dB SPL
Battery consumption³ Typical Quiescent		1.8 mA 1.6 mA	1.9 mA 1.6 mA
Battery life, artificial measurement, hours⁴		175	160
Expected battery life, hours (battery size 13 - IEC PR48)⁵		80-105	

- 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).