

Technical data sheet

miniRITE T

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
	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	•
	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

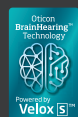
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miniRITE T offers a discreet design, based on the popular miniRITE, and features both telecoil and a convenient double push button for easy volume and program control.

SuperShield rapidly and intelligently prevents feedback before it occurs.

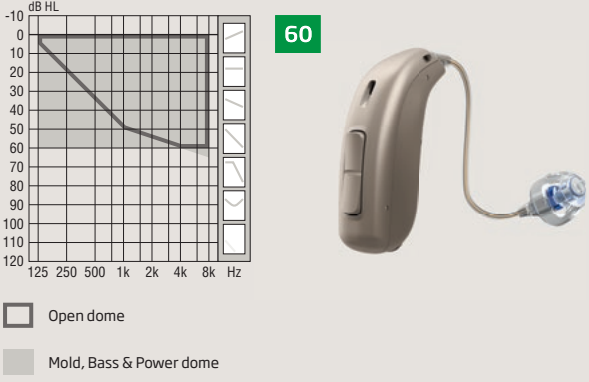
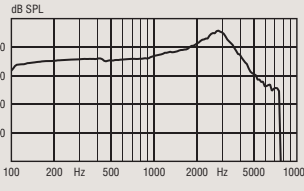
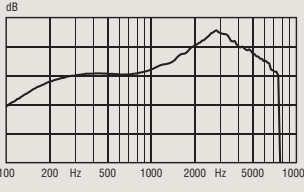
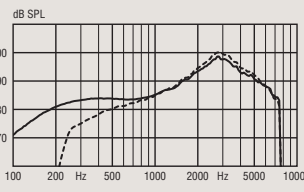
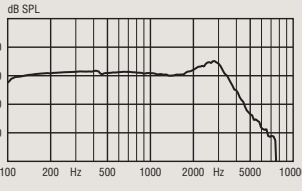
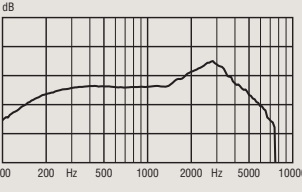
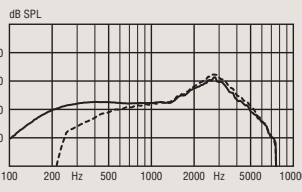
TwinLink™ wireless technology combines binaural communication and 2.4 GHz connectivity with stereo streaming directly from digital devices.

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

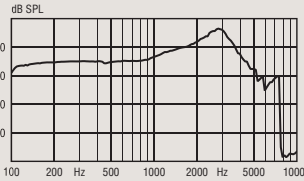
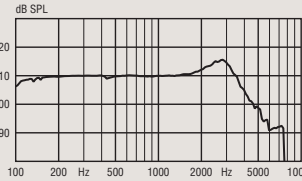
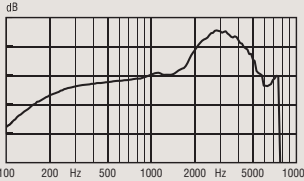
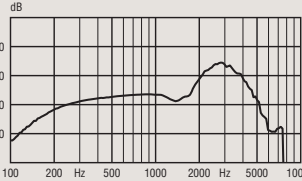
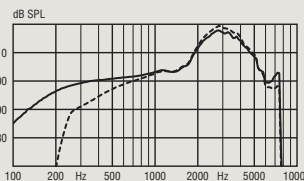
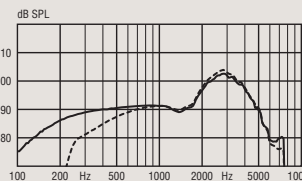


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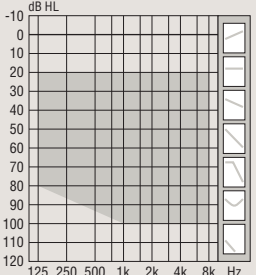
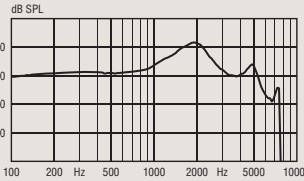
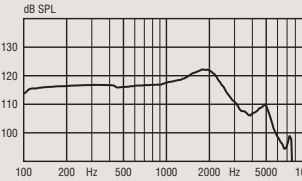
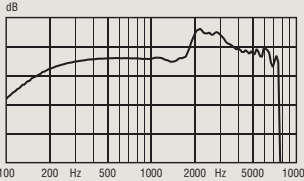
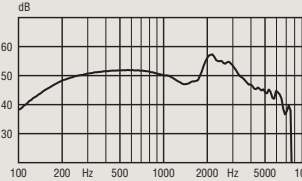
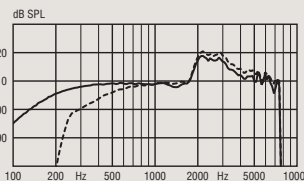
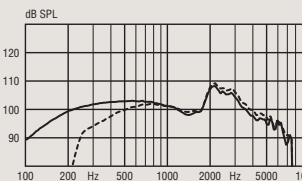
For information on compatibility, please visit www.oticon.com/support/compatibility

		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
 Technical information Omnidirectional mode is used unless otherwise stated. ☐ Open dome ☒ Mold, Bass & Power dome		OSPL90  Full-on Gain  Frequency Response 	OSPL90  Full-on Gain  Frequency Response 
OSPL90		Peak 116 dB SPL 1600 Hz 109 dB SPL HFA-OSPL90 110 dB SPL	Peak 105 dB SPL 100 dB SPL 102 dB SPL
Full-on gain ¹		Peak 46 dB 1600 Hz 37 dB HFA-FOG 38 dB	Peak 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 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 % 800 Hz < 3 % 1600 Hz < 2 %	< 2 % < 2 % < 2 %
Equivalent input noise level		Omni 22 dB SPL Dir 30 dB SPL	19 dB SPL 28 dB SPL
Battery consumption ²		Typical 1.5 mA Quiescent 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	

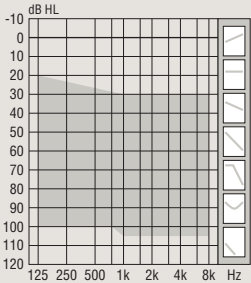
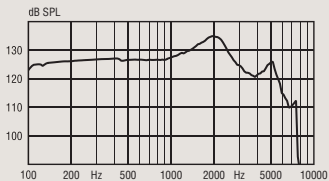
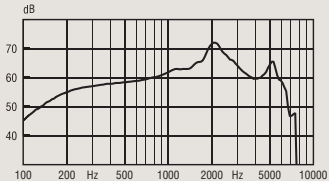
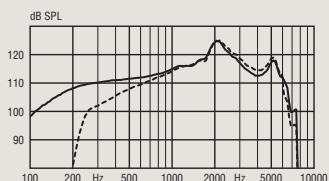
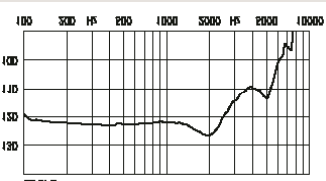
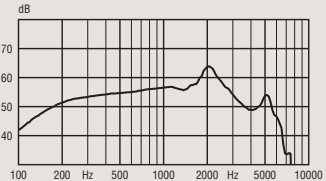
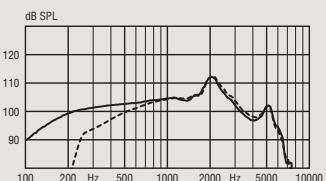
- 1) Measured with the gain control of the hearing aid set to its full-on position minus 20 dB and with an input SPL of 70 dB. This is to obtain a gain response equal to the full-on gain response from e.g. IEC 60118-0+A1:1994 but without influence of feedback.
- 2) Battery current is measured according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

		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 
		— Acoustic input: 60 dB SPL - - - Magnetic input: 31.6 mA/m	
OSPL90		Peak 127 dB SPL 1600 Hz 120 dB SPL HFA-OSPL90 121 dB SPL	116 dB SPL 111 dB SPL 112 dB SPL
Full-on gain ¹		Peak 66 dB 1600 Hz 52 dB HFA-FOG 55 dB	54 dB 43 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 % 800 Hz < 3 % 1600 Hz < 2 %	< 2 % < 2 % < 2 %
Equivalent input noise level		Omni 26 dB SPL Dir 33 dB SPL	21 dB SPL 30 dB SPL
Battery consumption ²		Typical 1.6 mA Quiescent 1.5 mA	1.7 mA 1.5 mA
Battery life, artificial measurement, hours ³		110	105
Expected battery life, hours (battery size 312 - IEC PR41) ⁴		55-65	

- 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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- 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).

		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
 Power Receiver Mold, Bass & Power dome		OSPL90 	OSPL90 
Technical information Omnidirectional mode is used unless otherwise stated.		Full-on Gain 	Full-on Gain 
Warning to the hearing care provider 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.		Frequency Response 	Frequency Response 
OSPL90		Peak 1600 Hz HFA-OSPL90	132 dB SPL 130 dB SPL 127 dB SPL
Full-on gain ¹		Peak 1600 Hz HFA-FOG	66 dB 56 dB 59 dB
Reference test gain			49 dB
Frequency range			100-7500 Hz
Telecoil output (1600 Hz)		1 mA/m field 10 mA/m field SPLITS L/R	86 dB SPL 106 dB SPL -
Total harmonic distortion (Input 70 dB SPL)		500 Hz 800 Hz 1600 Hz	< 7 % < 4 % < 2 %
Equivalent input noise level		Omni Dir	23 dB SPL 32 dB SPL
Battery consumption ²		Typical Quiescent	1.5 mA 1.5 mA
Battery life, artificial measurement, hours ³			115
Expected battery life, hours (battery size 312 - IEC PR41) ⁴			50-65

- 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.
- 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).

			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
 105  Power Receiver Mold			  	  
OSPL90	Peak 1600 Hz HFA-OSPL90	135 dB SPL 132 dB SPL 130 dB SPL	127 dB SPL 125 dB SPL 122 dB SPL	
Full-on gain ¹	Peak 1600 Hz HFA-FOG	72 dB 65 dB 65 dB	64 dB 57 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	96 dB SPL 116 dB SPL -	- - 105/105 dB SPL	
Total harmonic distortion (Input 70 dB SPL)	500 Hz 800 Hz 1600 Hz	< 2 % < 2 % < 3 %	< 2 % < 2 % < 2 %	
Equivalent input noise level	Omni Dir	18 dB SPL 28 dB SPL	18 dB SPL 29 dB SPL	
Battery consumption ²	Typical Quiescent	1.6 mA 1.5 mA	1.7 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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This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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