

OTICON | Real

Technical data sheet

miniBTE R

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Oticon Real™ miniBTE R is a small instrument and fits most ears. It is powered by a rechargeable lithium-ion battery. The style features telecoil, and a single push-button. Based on Bluetooth® Low Energy technology, it is a Made for iPhone® hearing aid and supports hands-free communication and direct streaming for select iPhone®, iPad®, iPod touch® and select Android™ devices.

MoreSound Intelligence™ creates a more precise and natural representation of individual sounds with clearer and more distinct contrasts.

Oticon Real is built on the Polaris R™ platform, which utilizes faster detectors for powering new innovations used to optimize the audibility of the environmental sounds in the sound scene.

	Real 1	Real 2	Real 3
Speech Understanding	MoreSound Intelligence™ 2.0	Level 1	Level 2
	- Environment configuration	5 Options	5 Options
	- Virtual Outer Ear	3 Configurations	1 Configuration
	- Spatial Balancer	100%	60%
	- Neural Noise Suppression, Difficult / Easy	10 dB / 4 dB	6 dB / 2 dB
	- Sound Enhancer	3 Configurations	2 Configurations
	- Wind & Handling Stabilizer	•	•
	MoreSound Amplifier™ 2.0	•	•
	- SuddenSound Stabilizer	6 Configurations	5 Configurations
	Feedback Prevention	MoreSound Optimizer™ & Feedback shield	MoreSound Optimizer™ & Feedback shield
Sound Quality	Spatial Sound™	4 Estimators	2 Estimators
	Soft Speech Booster	•	•
	Frequency lowering	Speech Rescue™	Speech Rescue™
	Clear Dynamics	•	•
	Better-Ear Priority	•	•
Personalization & Optimizing Fitting	Fitting Bandwidth ¹	10 kHz	8 kHz
	Bass Boost (streaming)	•	•
	Processing Channels	64	48
	Fitting Bands	24	20
	Multiple Directionality options	•	•
Connecting to the world	Adaptation Management	•	•
	Fitting Formulas	VAC+, NAL-NL1/ NAL-NL2, DSL 5.0	VAC+, NAL-NL1/ NAL-NL2, DSL 5.0
	Oticon Companion app	•	•
	Hands-free communication ²	•	•
	Direct streaming ³	•	•
	ConnectClip	•	•
	EduMic	•	•
	Remote Control 3.0	•	•
	TV Adapter 3.0	•	•
	Phone Adapter 2.0	•	•
	Tinnitus SoundSupport™	•	•
	CROS/BiCROS support	•	•

1) Bandwidth accessible for gain adjustments during fitting

2) Hands-free communication is available with iPhone 11 or later running iOS 15.2 or later, and iPad running iPadOS® 15.2 or later

3) From select iPhone, iPad, iPod touch, and select Android devices with the Audio Streaming for Hearing Aids (ASHA) protocol

Operating and charging conditions

Temperature: +5°C to +40°C (41°F to 104°F)

Humidity: 5% to 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.

Transport

Temperature: -20°C to +60°C (-4°F to 140°F)

Humidity: 5% to 93% relative humidity,

non-condensing

Atmospheric pressure: 700 hPa to 1060 hPa

Storage

Temperature: -20°C to +30°C (-4°F to 86°F)

Humidity: 5% to 93% relative humidity,

non-condensing

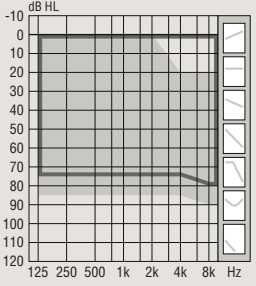
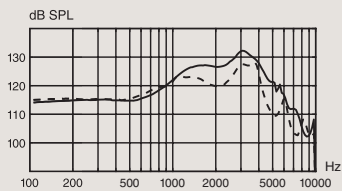
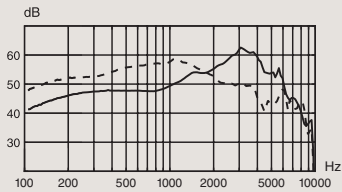
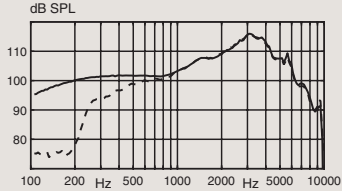
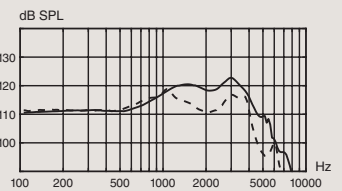
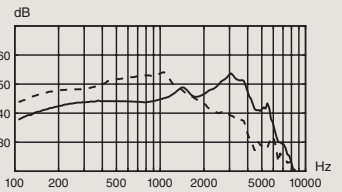
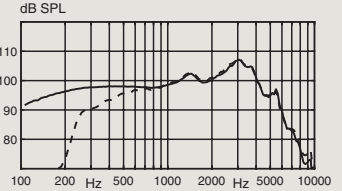
Atmospheric pressure: 700 hPa to 1060 hPa

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

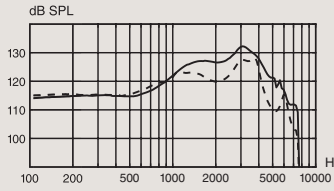
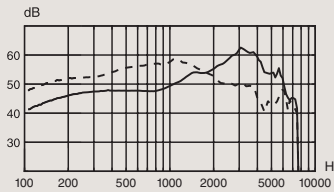
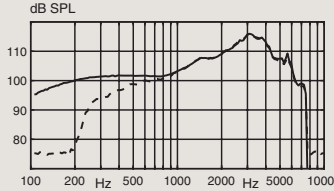
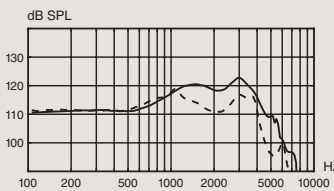
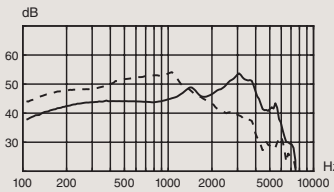
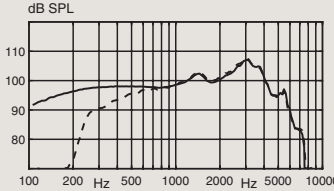
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		Ear Simulator Measured according to IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010	2CC Coupler Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006
 85  Hook Corda minifit Technical information Omnidirectional mode is used unless otherwise stated.		OSPL90  Full-on Gain  Frequency Response 	OSPL90  Full-on Gain  Frequency Response 
OSPL90		Peak (dB SPL) 132 (128 ¹) 1600 Hz (dB SPL) 127 (122 ¹) HFA-OSPL90 (dB SPL) 126 (122 ¹)	123 (119 ¹) 120 (114 ¹) 119 (115 ¹)
Full-on Gain ²		Peak (dB) 63 (59 ¹) 1600 Hz (dB) 54 (55 ¹) HFA-FOG (dB) 54 (54 ¹)	54 (54 ¹) 47 (46 ¹) 47 (47 ¹)
Reference test gain (dB)		47	41
Frequency range (Hz)		100-9500	100-7300
Telecoil output		1 mA/m field (1600 Hz) (dB SPL) 85 10 mA/m field (1600 Hz) (dB SPL) 105 HFA-SPLITS L/R (dB SPL) 99/99	
Total harmonic distortion (Input 70 dB SPL)		500 Hz (%) <4 800 Hz (%) <4 1600 Hz (%) <2	<4 <3 <2
Equivalent input noise level		Omni (dB SPL) 19 Dir (dB SPL) 30	17 31
Battery		Lithium-ion	Lithium-ion
Expected operating time, hours ³		24	

1) For instruments fitted with Corda miniFit Power

2) Measured with the gain control of the hearing aids set to their 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 60118-0:1983+A1:1994 but without influence of feedback.

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

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