OTICON | **Real**

Technical data sheet

miniBTE R

85

		Real 1	Real 2	Real 3
Speech understanding	MoreSound Intelligence™ 2.0	Level 1	Level 2	Level 3
	- Environment configuration	5 options	5 options	3 options
	- Virtual Outer Ear	3 configurations	1 configuration	1 configuration
	- Spatial Balancer	100%	60%	60%
	- Neural Noise Suppression, Difficult / Easy	10 dB / 4 dB	6 dB / 2 dB	6 dB / 0 dB
	- Sound Enhancer	3 configurations	2 configurations	1 configuration
	- Wind & Handling Stabilizer	•	•	•
	MoreSound Amplifier™ 2.0	•	•	•
	- SuddenSound Stabilizer	6 configurations	5 configurations	4 configurations
	Feedback Prevention	MoreSound Optimizer™ & Feedback shield	MoreSound Optimizer™ & Feedback shield	MoreSound Optimizer™ & Feedback shield
	Spatial Sound™	4 Estimators	2 Estimators	2 Estimators
	Soft Speech Booster	•	•	•
	Frequency lowering	Speech Rescue™	Speech Rescue™	Speech Rescue™
Sound quality	Clear Dynamics	•	•	-
	Better-Ear Priority	•	•	-
	Fitting Bandwidth[1]	10 kHz	8 kHz	8 kHz
	Bass Boost (streaming)	•	•	•
	Processing Channels	64	48	48
Personalisation & Optimising fitting	Fitting Bands	24	20	18
	Multiple Directionality options	•	•	•
	Adaptation Management	•	•	•
	Fitting Formulas	VAC+, NAL-NL1/ NAL-NL2, DSL v5	VAC+, NAL-NL1/ NAL-NL2, DSL v5	VAC+, NAL-NL1/ NAL-NL2, DSL v5
Connecting to the world	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 iPhone, iPad, iPod touch, and selected 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

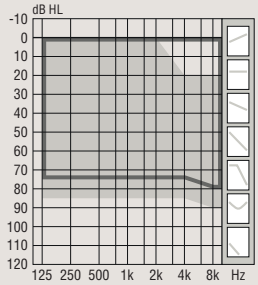
Oticon Real™ miniBTE R is a small instrument and fits most ears. It is powered by a rechargeable lithium-ion battery. The style features telecoil, and a single push-button. Based on Bluetooth® Low Energy technology, it is a Made for iPhone hearing aid and supports hands-free communication and direct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

MoreSound Intelligence™ creates a more precise and natural representation of individual sounds with clearer and more distinct contrasts providing access to all relevant sounds.

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

Oticon Real 1

miniBTE R 85

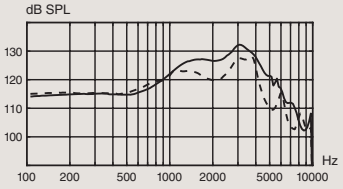
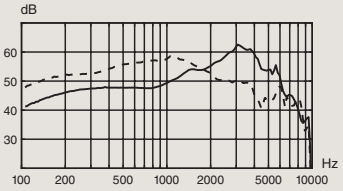
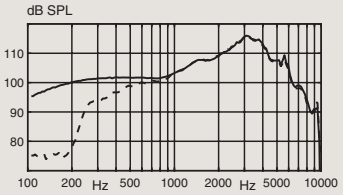
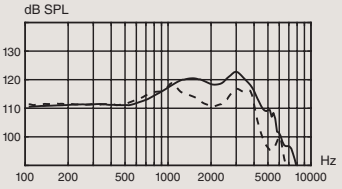
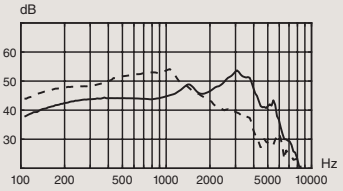
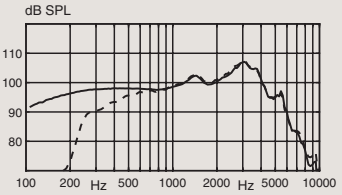


85

Hook

Corda minifit

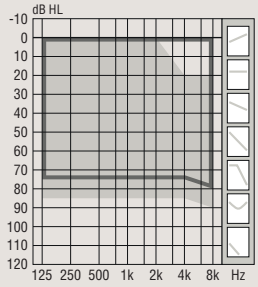
Technical information
Omnidirectional mode is used unless otherwise stated.

		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  Full-on gain  Standard tube Thin tube (size 1.3) Frequency response  Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	OSPL90  Full-on gain  Standard tube Thin tube (size 1.3) Frequency response  Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m
OSPL90	Peak (dB SPL)	132 (128[1])	123 (119[1])
	1600 Hz (dB SPL)	127 (122[1])	120 (114[1])
	HFA-OSPL90 (dB SPL)	126 (122[1])	119 (115[1])
Full-on gain[2]	Peak (dB)	63 (59[1])	54 (54[1])
	1600 Hz (dB)	54 (55[1])	47 (46[1])
	HFA-FOG (dB)	54 (54[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	<4
	800 Hz (%)	<4	<3
	1600 Hz (%)	<2	<2
Equivalent input noise level	Omni (dB SPL)	19	17
	Dir (dB SPL)	30	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.

Oticon Real 2 & 3

miniBTE R 85



85

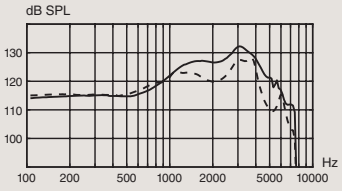
Hook

Corda minifit

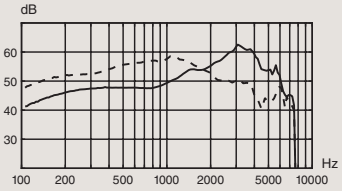
Technical information
Omnidirectional mode is used unless otherwise stated.

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

OSPL90

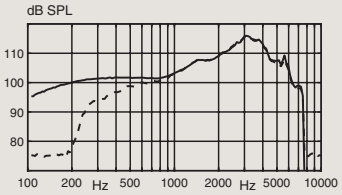


Full-on gain



Standard tube
Thin tube (size 1.3)

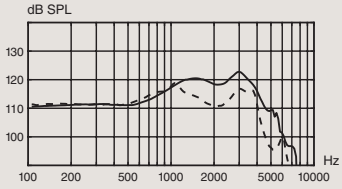
Frequency response



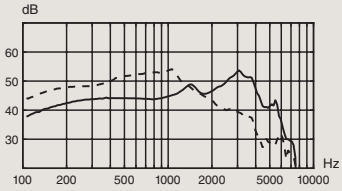
Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

2CC Coupler
Measured according to ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006

OSPL90

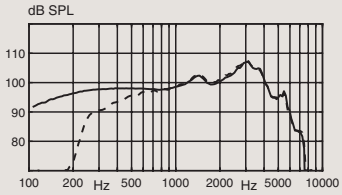


Full-on gain



Standard tube
Thin tube (size 1.3)

Frequency response



Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

OSPL90	Peak (dB SPL)	132 (128[1])	123 (119[1])
	1600 Hz (dB SPL)	127 (122[1])	120 (114[1])
	HFA-OSPL90 (dB SPL)	126 (122[1])	119 (115[1])
Full-on gain[2]	Peak (dB)	63 (59[1])	54 (54[1])
	1600 Hz (dB)	54 (55[1])	47 (46[1])
	HFA-FOG (dB)	54 (54[1])	47 (43[1])
Reference test gain (dB)		47	41
Frequency range (Hz)		100-7500	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	<4
	800 Hz (%)	<4	<3
	1600 Hz (%)	<2	<2
Equivalent input noise level	Omni (dB SPL)	19	17
	Dir (dB SPL)	30	32
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.

Headquarters
Oticon A/S
Kongebakken 9
DK-2765 Smørum
Denmark

SBO Hearing A/S
Kongebakken 9
DK-2765 Smørum
Denmark

262112UK / 2022.10.06 / v2