OTICON | **Real**

Technical data sheet

miniBTE T

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
Personalization & Optimizing 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 select Android devices with the Audio Streaming for Hearing Aids (ASHA) protocol

Operating Conditions
Temperature: +1°C to +40°C (34°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.

Transportation
Temperature: -25°C to +60°C (-13°F to 140°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Storage
Temperature: -25°C to +60°C (-13°F to 140°F)
Humidity: 5% to 93% relative humidity, non-condensing
Atmospheric pressure: 700 hPa to 1060 hPa

Oticon Real™ miniBTE T is a small instrument and fits most ears. It is powered by a disposable 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 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.

TwinLink NFMI + 2,4 GHz

Made for iPhone | iPad | iPod

Works with android

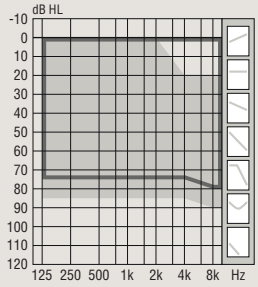
IP68

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

oticon
life-changing technology

Oticon Real 1

miniBTE T 85

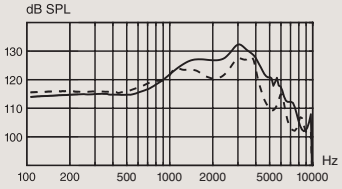
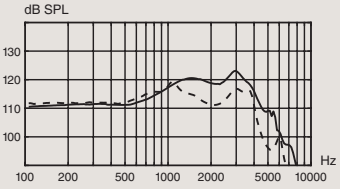
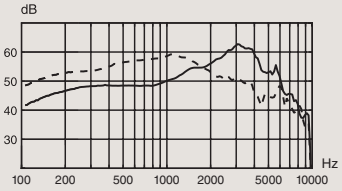
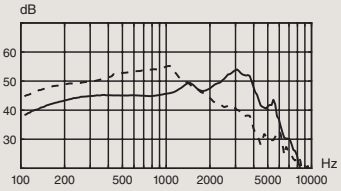
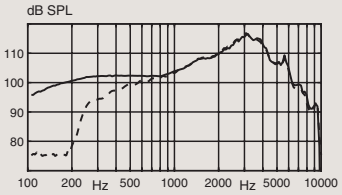
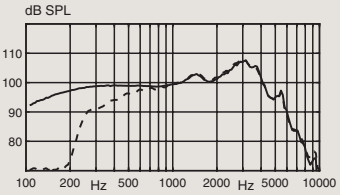


85

Hook

Corda minifit

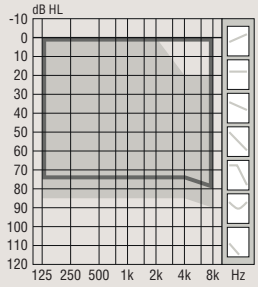
Technical information
Omnidirectional mode is used unless otherwise stated.

		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 	OSPL90 
		Full-on Gain 	Full-on Gain 
		Standard tube Thin tube (size 1.3)	Standard tube Thin tube (size 1.3)
		Frequency Response 	Frequency Response 
		Acoustic input: 60 dB SPL Magnetic input: 31.6 mA/m	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 (123[1])	120 (114[1])
	HFA-OSPL90 (dB SPL)	126 (122[1])	119 (115[1])
Full-on Gain[2]	Peak (dB)	63 (59[1])	54 (55[1])
	1600 Hz (dB)	55 (56[1])	48 (48[1])
	HFA-FOG (dB)	55 (55[1])	48 (48[1])
Reference test gain (dB)		48	42
Frequency range (Hz)		100-9500	100-7300
Telecoil output	1 mA/m field (1600 Hz) (dB SPL)	86	
	10 mA/m field (1600 Hz) (dB SPL)	106	
	HFA-SPLITS L/R (dB SPL)		100/100
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)	18	17
	Dir (dB SPL)	28	29
Battery consumption[3]	Typical (mA)	1.9	2.0
	Quiescent (mA)	1.9	1.9
Battery life, artificial measurement, hours[4]		95	90
Expected battery life, hours (battery size 312 - IEC PR41)[5]		50-55	

1) For instruments fit 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) 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.
4) Based on the standardized battery consumption measurement (e.g. IEC 60118-0:1983/AMD1:1994). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment.
5) 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).

Oticon Real 2 & 3

miniBTE T 85



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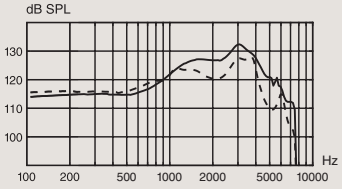
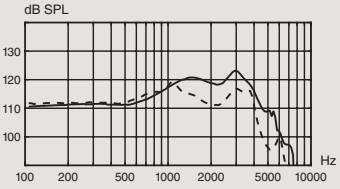
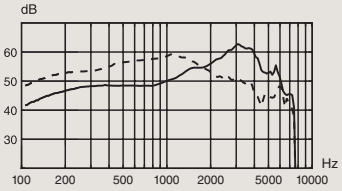
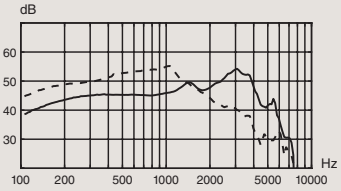
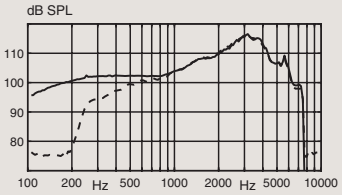
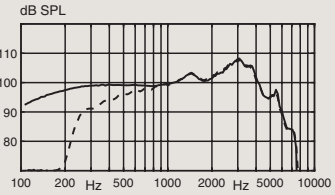
		OSPL90 	OSPL90 
		Full-on Gain 	Full-on Gain 
		Frequency Response 	Frequency Response 
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