

Technical data sheet

OTICON | Siya

BTE

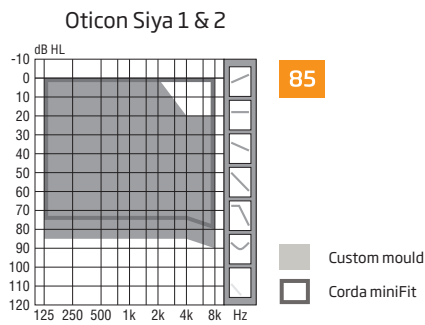


Oticon Siya BTE is now offered with an 85 receiver, utilizing the 8 KHz bandwidth for excellent sound quality.

Oticon Siya is built on the powerful Velox™ platform, processing sound in 48 channels.

Oticon Siya is a Made for iPhone® hearing aid that offers a full connectivity package built with 2.4 GHz Bluetooth for advanced and streamer free connectivity.

Fully programmable with updatable firmware, the Velox platform is ready for the future.



	Oticon Siya 1	Oticon Siya 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
	Feedback shield LX	•
	Wind Noise Management	•
Optimising 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	•
	DAI/FM	•
	Tinnitus SoundSupport™	•
Expected battery life, hours**		105-115

* Bandwidth accessible for gain adjustments during fitting

** Battery size 13 - IEC PR48.

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).

Made for
iPhone | iPad | iPod

IP68

For information on compatibility, please visit www.oticon.global/connectivity

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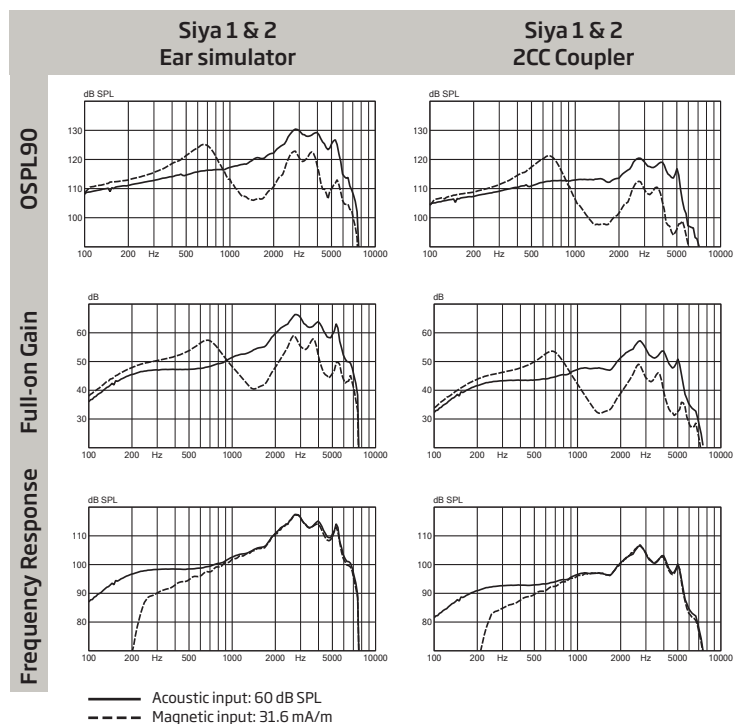
Technical data Measured according to		Ear Simulator IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010		2CC Coupler ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006	
Oticon Siya BTE		Siya 1	Siya 2	Siya 1	Siya 2
Frequency range Hz		105-7500		100-7000	
OSPL90	Peak	130 (125*) dB SPL		120 (121*) dB SPL	
	1600 Hz	121 (107*) dB SPL		113 (98*) dB SPL	
	HFA-OSPL90	122 (113*) dB SPL		115 (105*) dB SPL	
Full-on gain**	Peak	66 (59*) dB		57 (54*) dB	
	1600 Hz	55 (41*) dB		47 (33*) dB	
	HFA-FOG	57 (49*) dB		50 (41*) dB	
Reference test gain		46 dB		39 dB	
Telecoil output (1600 Hz)	1 mA/m field	85 dB SPL		-	
	10 mA/m field	105 dB SPL		-	
	SPLITS L/R	-		97/97 dB SPL	
Total harmonic distortion (Input 70 dB SPL)	500 Hz	< 2 %		< 2 %	
	800 Hz	2 %		< 2 %	
	1600 Hz	< 2 %		< 2 %	
Equivalent input noise level	Omni	21 dB SPL		18 dB SPL	
	Dir	31 dB SPL		28 dB SPL	
Battery consumption***	Typical	1.4 mA		1.7 mA	
	Quiescent	1.3 mA		1.7 mA	
Battery life, artificial measurement, hours****		230		180	
IRIL (IEC 60118-13:2016)		700/1400/2000 MHz: 18/13/40 dB SPL			

* For instruments fitted with Corda miniFit.

** 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 minimum 3 minutes.

**** Based on the standardised 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.



Technical information: Omnidirectional mode is used unless otherwise stated.

Operating conditions
Temperature: +1°C to +40°C

Relative humidity:
5% to 93%, non-condensing

Storage and transportation conditions

Temperature and humidity should not exceed the following limits for extended periods during transportation and storage.

Temperature: -25°C to +60°C
Relative humidity: 5% to 93%, non-condensing