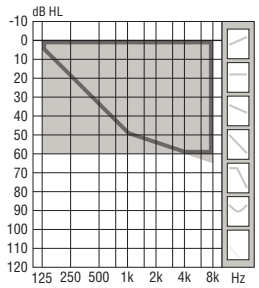
Technical data sheet

Oticon Siya 1 & 2



60

Mold, Bass & Power dome

Open dome

OTICON | Siya
miniRITE 60
miniRITE T 60

		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	8 KHz
	Processing Channels	48	48
	Bass Boost (streaming)	•	•
Listening Comfort	Transient Noise Management	On/Off	-
	Feedback shield LX	•	•
	Wind Noise Management	•	•
Optimising Fitting	Fitting Bands	10	8
	Adaptation Management	•	•
	Oticon Firmware Updater	•	•
	Multiple Directionality options	•	•
	Fitting Formulas	NAL-NL1+2, DSL v5.0	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	•	•
	Tinnitus SoundSupport™	•	•
	Expected battery life, hours**	60-65	60-65

* Bandwidth accessible for gain adjustments during fitting

** Battery size 312 - IEC PR41.
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 Siya miniRITE is small and discreet, with a single push button. Oticon Siya miniRITE T is based on the popular miniRITE, and features telecoil and a convenient double push button.

Oticon Siya is built on the powerful Velox™ platform, processing sound in 48 channels for high-resolution sound quality.

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.

Velox™

Made for iPhone | iPad | iPod

IP68

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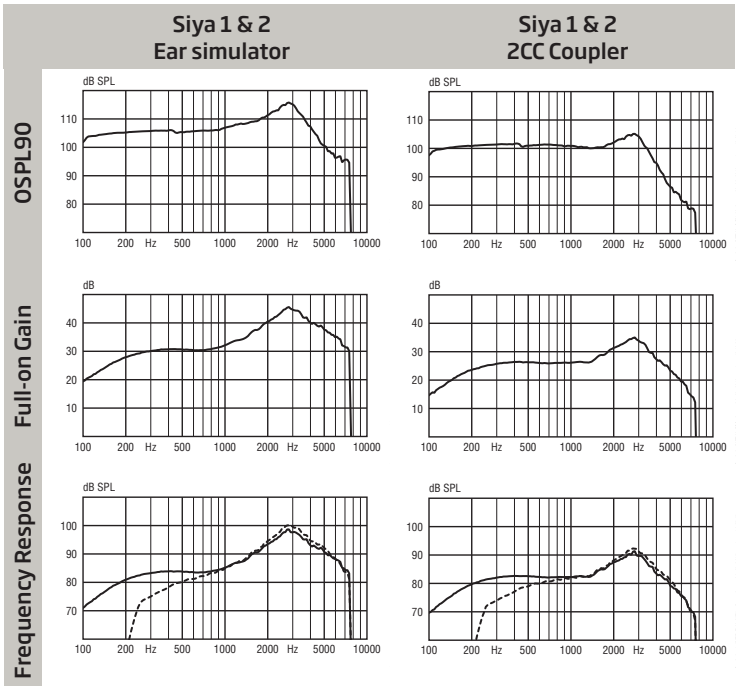
Technical data Measured according to		**Ear Simulator** IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010		**2CC Coupler** ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006	
Oticon Siya miniRITE/miniRITE T		Siya 1	Siya 2	Siya 1	Siya 2
Frequency range Hz		110-7500		100-7500	
OSPL90	Peak	116 dB SPL		105 dB SPL	
	1600 Hz	109 dB SPL		100 dB SPL	
	HFA-OSPL90	110 dB SPL		102 dB SPL	
Full-on gain*	Peak	46 dB		35 dB	
	1600 Hz	37 dB		29 dB	
	HFA-FOG	38 dB		30 dB	
Reference test gain		30 dB		26 dB	
Telecoil output (1600 Hz) (miniRITE T)	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 %		<2 %	
	800 Hz	<3 %		<2 %	
	1600 Hz	<2 %		<2 %	
Equivalent input noise level	Omni (dB SPL)	22 dB SPL		19 dB SPL	
	Dir (dB SPL)	30 dB SPL		28 dB SPL	
Battery consumption**	Typical	1.5 mA		1.6 mA	
	Quiescent	1.5 mA		1.5 mA	
Battery life, artificial measurement, hours***		120		115	
IRIL (IEC 60118-13:2011) miniRITE IRIL (IEC 60118-13:2016) miniRITE T		800/1400/2000 MHz: 21/<2/<2 dB SPL 700/1400/2000 MHz: 16/21/26 dB SPL			

* 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

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