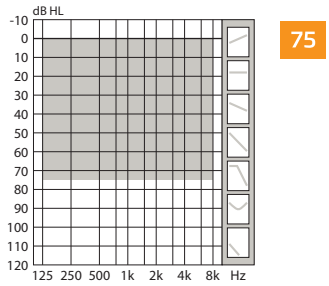
Technical data sheet

Oticon Siya 1 & 2



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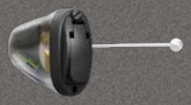
		Oticon Siya 1	Oticon Siya 2
Speech Understanding	Noise Reduction LX	•	•
	Single Compression LX	•	•
	Speech Rescue™ LX	•	-
Sound Quality	Fitting Bandwidth*	8 KHz	8 KHz
	Processing Channels	48	48
Listening Comfort	Transient Noise Management	On/Off	-
	Feedback shield LX	•	•
Optimising Fitting	Fitting Bands	10	8
	Adaptation Management	•	•
	Oticon Firmware Updater	•	•
	Fitting Formulas	NAL-NL1+2, DSL v5.0	NAL-NL1+2, DSL v5.0
	Battery life, hours**	70-80	70-80

* Bandwidth accessible for gain adjustments during fitting
** Battery size 10 - IEC PR70.
Real usage battery life is shown as an estimated interval based on mixed use cases with variable amplification settings and variable input levels.

• Default
- Not included

OTICON | **Siya**
IIC 75



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

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

Velox™

IP68

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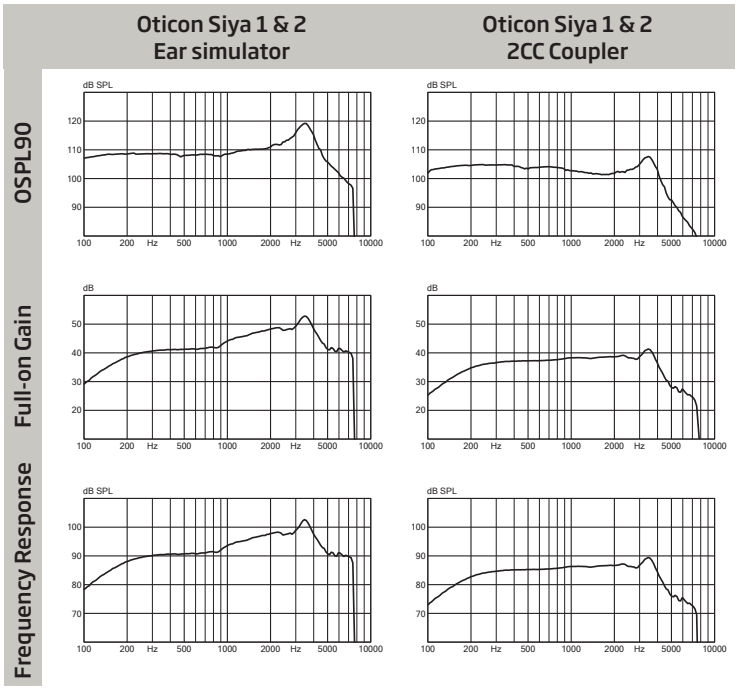
Technical data Measured according to		**Ear Simulator** IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010		**2CC Coupler** ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006	
Oticon Siya IIC 75		Siya 1	Siya 2	Siya 1	Siya 2
Frequency range Hz		100-7500		100-7500	
MPO-OSPL90	Peak	119 dB SPL		108 dB SPL	
	1600 Hz	110 dB SPL		102 dB SPL	
	HFA-OSPL90	111 dB SPL		102 dB SPL	
Full-on gain*	Peak	53 dB		41 dB	
	1600 Hz	47 dB		38 dB	
	HFA-FOG	46 dB		38 dB	
Reference test gain		37 dB		26 dB	
Telecoil output (1600 Hz)	1 mA/m field	-		-	
	10 mA/m field	-		-	
	SPLITS L/R	-		-	
Total harmonic distortion (Input 70 dB SPL)	500 Hz	2 %		2 %	
	800 Hz	2 %		2 %	
	1600 Hz	3 %		2 %	
Equivalent input noise level	Omni	19 dB SPL		18 dB SPL	
Battery consumption**	Typical	1.0 mA		1.1 mA	
	Quiescent	1.0 mA		1.0 mA	
Battery life, calculated, hours***		100		90	
IRIL (IEC 60118-13:2016)		700/1400/2000 MHz: 40/33/11 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

General features:
- Digital Programmable
- Automatic Volume Control
- Maximum Output Control System
- MPO-Maximum Power Output
- GC-Gain Control
- AGC-Automatic Gain Control
- Noise Reduction
- Feedback Management
- Single Microphone

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