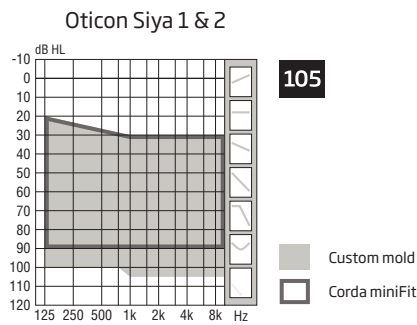# Technical data sheet

Oticon Siya 1 & 2

105

■ Custom mold
☐ Corda miniFit

BTE PP

Oticon Siya BTE PP features a tactile double push button for easy operation of volume and programs.

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.


		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	•	•
	DAI/FM	•	•
	Tinnitus SoundSupport™	•	•
	Expected battery life, hours**	80-105	80-105

*   Bandwidth accessible for gain adjustments during fitting
** Battery size 13 - 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).
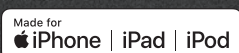
Technical data Measured according to		Ear Simulator IEC 60118-0:1983/AMD1:1994, IEC 60118-0:2015, IEC 60118-1:1995+AMD1:1998 CSV and IEC 60318-4:2010		2CC Coupler ANSI S3.22-2014, IEC 60118-0:2015 and IEC 60318-5:2006	
Oticon Siya BTE PP		Siya 1	Siya 2	Siya 1	Siya 2
Frequency range Hz		150-7300		120-7000	
OSPL90	Peak	138 (132*) dB SPL		131 (129*) dB SPL	
	1600 Hz	130 (121*) dB SPL		123 (113*) dB SPL	
	HFA-OSPL90	133 (126*) dB SPL		126 (118*) dB SPL	
Full-on gain**	Peak	73 (69*) dB		66 (66*) dB	
	1600 Hz	65 (56*) dB		57 (47*) dB	
	HFA-FOG	68 (62*) dB		61 (54*) dB	
Reference test gain		57 dB		50 dB	
Telecoil output (1600 Hz)	1 mA/m field	97 dB SPL		-	
	10 mA/m field	117 dB SPL		-	
	SPLITS L/R	-		109/109 dB SPL	
Total harmonic distortion (Input 70 dB SPL)	500 Hz	7 %		3 %	
	800 Hz	5 %		<2 %	
	1600 Hz	<2 %		<2 %	
Equivalent input noise level	Omni	17 dB SPL		14 dB SPL	
	Dir	29 dB SPL		27 dB SPL	
Battery consumption***	Typical	1.8 mA		1.9 mA	
	Quiescent	1.6 mA		1.6 mA	
Battery life, artificial measurement, hours****		175		160	
IRIL (IEC 60118-13:2016)		700/1400/2000 MHz: 18/20/40 dB SPL			

*   For instruments fitted with Corda miniFit Power.
**   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.

| | Siya 1 & 2
Ear simulator | Siya 1 & 2
2CC Coupler |
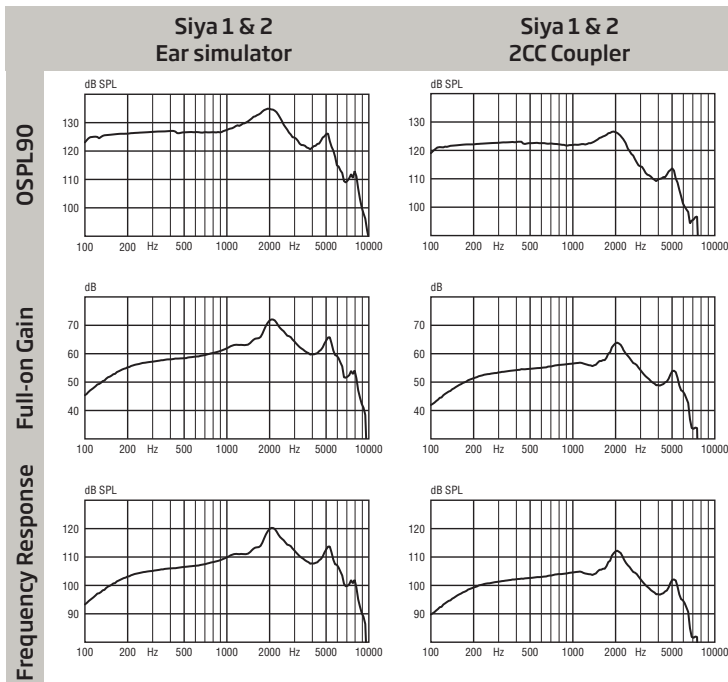
Technical information: Omnidirectional mode is used unless otherwise stated.

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

Instrument warning
The maximum output capability of the hearing instrument may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the instrument as there may be risk of impairing the remaining hearing of the hearing aid user.

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