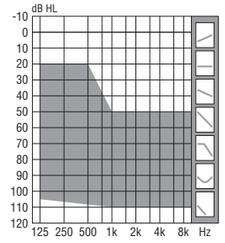
PRODUCT INFORMATION
OTICON SENSEI SUPER POWER

Oticon | Sensei SP

Oticon Sensei SP *is a super power BTE 13 instrument built on the Inium Sense platform delivering 143 dB SPL/82dB full on gain and Inium Sense feedback shield*[SP]*. Sensei SP is designed for children with severe to profound hearing loss with features designed to address their fundamental development needs and meet the safety and reliability standards.*

Sensei SP features a unique combined approach to signal processesing: Speech Rescue™ performing precise frequency composition to ensure full access to high frequency sounds whilst Speech Guard E's advanced adaptive compression preserves the important speech details.

FITTING RANGE



Speech Rescue™

Oticon's innovative frequency composition technology, Speech Rescue, increases speech understanding by rescuing speech cues that would otherwise be lost. Speech Rescue positions the high frequency energy in the available space without disturbing the mid frequencies. In this way, it is possible to turn down the inaudible high frequency gain or to give the patient the complete bandwidth of amplification even when Speech Rescue is on.

Speech Guard E

Speech Guard E in Oticon Sensei SP Pro is the amplitude compression system combining two methods of amplification: non-linear and linear in a single compression system that helps preserve the fine details of sound - from soft to loud - making sounds audible, comfortable and clear. This compression system guards the dynamic contrast of the entire signal to let the rescued high frequency speech sounds appear clear.

Safe, reliable and robust

For children under the age of 3 Sensei SP is supplied with tamper resistant battery doors to maximise safety and meet legal requirements.

Sensei SP is biocompatible and phthalate-free as well as being nanocoated, and IP58 classified, to deliver resistance to moisture, sweat and humidity.

Inium Sense feedback shield[SP]

Inium Sense feedback shield[SP] ensures that feedback is controlled in the frequency regions where the risk of feedback is highest. It is specifically adapted to severe and profound hearing losses allowing frequency shift across an extended bandwidth.

Family Features

- Speech Guard E
- Speech Rescue™
- Inium Sense feedback shield[SP]
- EasyRECD™
- VoicePriority*i*™
- Free Focus
- Fitting Bandwidth 6.5 kHz*
- TriState Noise Management
- Wind noise protection
- Binaural Synchronisation
- Binaural PB Coordination
- LED status indicator
- Analogue volume wheel with mute
- Program button with mute
- ConnectLine and remote control
- Bimodal support
- Memory (datalogging)
- DSL v5.0a m[i/o], NAL-NL2, NAL-NL1, NAL-RP and DSE
- 16 frequency channels
- Back dir
- T-coil
- FM and DAI input option
- FM compatibilty filter
- FM super silencer
- IP58 classification: dust and water resistant
- Hypo-allergenic

* Bandwidth accessible for gain adjustments during fitting

INIUM Sense Oticon BrainHearing™ Technology

oticon PEOPLE FIRST

People First

People First is our promise to empower people to communicate freely, interact naturally and participate actively

child friendly hearing care

Our paediatric audiological mission is to ensure a better future for every child with hearing loss. We will deliver solutions, tools and techniques that optimise auditory and cognitive habilitation, embrace the complexities of growing up with hearing loss and empower you to adapt solutions to each child's developmental stage on their journey to adulthood.

www.oticon.com

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Oticon | Sensei SP

PRODUCT OVERVIEW

Features	Sensei SP Pro	Sensei SP
Fitting formulas	DSL/NAL/DSE	DSL/NAL/DSE
Speech Rescue™	Yes	Yes
Speech Guard E	Yes	No
Single compression	No	Yes
Binaural Synchronisation (automatics)	Yes	No
Binaural Coordination (PB operations)	Yes	Yes
Noise Management	TriState	TriState
Inium Sense feedback shield[SP]	Yes	Yes
Memory (Data Logging)	Yes	Yes
Free Focus	Premium	Essential
Back dir	Yes	Yes
Voice Priority *i*™	Yes	Yes
SmartFit™ Trainer	Yes	No
LED status indicator	Yes	Yes
Music program	Yes	Yes
Easy RECD™	Yes	Yes
Fitting Bands	9	8
Power Bass	Yes	No
Music Widening	Yes	No

OPTIONS AND ACCESSORIES

Tamper resistant battery drawer	Available in all colours
Sound Hook	Interchangeable standard and paediatric hook
Damper	Damping element for replacement
DAI Adaptor	AP 900
Dedicated FM Receiver	Amigo R12 (available in all colours)
Universal FM receiver	Amigo R2, (FM9 FM adaptor) Streamer Pro with R2
Neckloop FM receiver	Amigo Arc
Amigo FM Transmitters	T5, T30, T31

Pure White, Power Pink, Aquamarine, Blue, Purple, Red

Emerald Green, Silver, Chroma Beige, Terracotta, Chestnut Brown, Diamond Black

FITTING

Oticon Sensei SP instruments are programmed using the Genie Paediatric Fitting Mode 2015.2 fitting software or higher compatible with NOAH 3 or higher.

Wireless fitting - FittingLINK
FittingLINK provides a wireless link (Bluetooth) between the PC and one or two wireless enabled hearing instruments. In addition FittingLINK can be used via a USB cable connected to the PC.

Cabled fitting
Use programming cable #3.

CONDITIONS

Operating conditions	Temperature: +1°C to +40°C. Relative humidity: 5% to 93%, non-condensing
Storage and transportation conditions	Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage: Temperature: -25°C to +60°C. Relative humidity: 5% to 93%, non-condensing

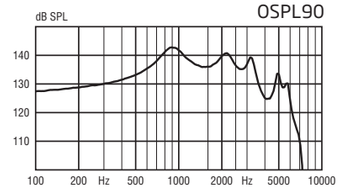
BTE SUPER POWER
SENSEI SP AND SENSEI SP PRO

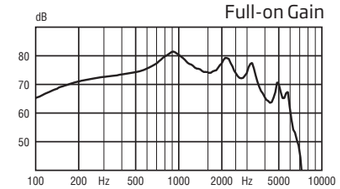
Scale 1:1

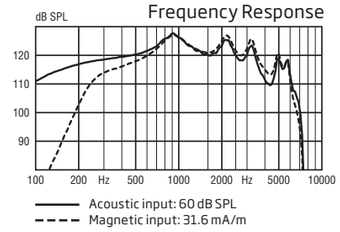
Technical Information
Omnidirectional mode is used unless otherwise stated.

Warning to the instrument dispenser
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 instrument user.

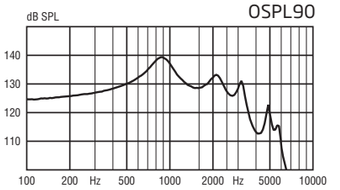
EAR SIMULATOR
Measured according to IEC 60118-0 (1983) and 60711 (1981) and DIN 45605.

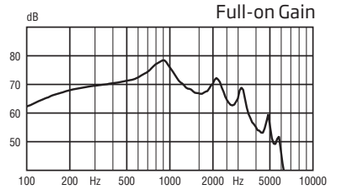


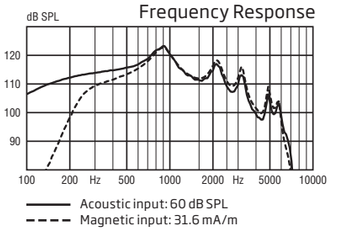




2CC COUPLER
Measured according to ANSI S3.22 (2003) and S3.7 (1995), IEC 60118-7 (2005) and IEC 60318-5 (2006).







OSPL90	Peak	143 dB SPL	139 dB SPL
	1600 Hz	136 dB SPL	129 dB SPL
	Average	138 dB SPL	131 dB SPL
Full-on gain	Peak	82 dB	78 dB
	1600 Hz	75 dB	67 dB
	Average	77 dB	69 dB
Reference test gain		60 dB	54 dB
Frequency range		100-6500 Hz	100-6200 Hz
Telecoil output (1600 Hz)	1 mA/m field	104 dB SPL	-
	10 mA/m field	125 dB SPL	-
	SPLITS L/R	-	107/107 dB SPL
Total harmonic distortion	500 Hz	6.0 %	2.0 %
(Input 70 dB SPL)	800 Hz	<2 %	<2 %
	1600 Hz	2.0 %	2.0 %
Equivalent input noise level (A)	Omni	19 dB SPL	18 dB SPL
	Dir	32 dB SPL	33 dB SPL
Battery consumption	Quiescent	1.2 mA	1.2 mA
	Typical	1.3 mA	1.9 mA
Battery size 13	(IEC PR48)		
Battery life, calculated*	IEC 60118-0 §7.11	246 hours	
Battery life, actual		80-175 hours	
IRIL (IEC 60118-13)	GSM/DECT	800/1400/2000MHz:21/<16/<16 dB SPL	

*) Based on the standardised battery consumption measurement (IIC 60118-0.) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment