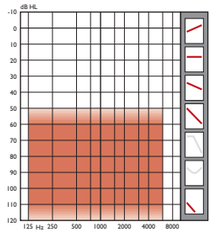
PRODUCT INFORMATION

Oticon | Sumo DM

Oticon Sumo DM *is a digital Ultra Power BTE instrument, specifically designed for people with severe-to-profound hearing losses. Recognizing the diversity of this group of users, Sumo DM offers a high degree of fitting flexibility and the ability to create a personalized sound strategy for each individual client. Sumo DM has a unique ability to maximize audibility and sound comfort for your most challenging clients. Sumo DM constantly adapts to changing sound conditions to offer a superior listening experience.*

FITTING RANGE



Sumo DM offers the following features:

Dynamic Feedback Cancellation

Feedback elimination with no gain reduction using precise digital phase cancellation.

TriState Noise Management

Combining the advanced VoiceFinder technology with a new 8-channel, modulation-based noise reduction system, it preserves the speech cues and provides an excellent balance between audibility and listening comfort, in both noisy and quiet environments.

High Resolution Fitting

Eight individual compression channels for precise frequency shaping, and separate gain and MPO adjustments for three different input levels – soft, speech and loud – in each channel.

Sumo DM Identities

Four Identities offering unique sound processing strategies (NL and Lin) to match each client's needs and preferences - enabling easy selection of optimal starting point for a fitting.

Feature overview

- MPO: 144 dB SPL / Peak gain: 85 dB
- Dynamic Feedback Cancellation
- Feedback Management System
- TriState Noise Management
- High resolution fitting, 8 channels and 3 input levels gain adjustments
- Four Identities for efficient fitting based on DSEsp
- DSL v5.0, DSL i/o (Lin), NAL-RP and POGOII+BC rationales
- Volume Control with clear markings, end stop and integrated OFF function
- Beep at preferred volume level
- Fully programmable 3-position switch with clear markings
- Up to three customizable programs
- Audible program indicators (beeps)
- Visual status indicator (LED)
- Undamped sound hook
- Programmable Telecoil
- Direct Audio Input
- Left/Right Identification
- Hair tone colours
- Baby pink, baby blue and transparent kids colours
- IP58

Options and accessories

- Sound Hooks: 5 dB damped and paediatric hooks (damped and undamped)
- Interlocking DAI and FM shoes
- Tamper resistant battery door
- Eyeglass adaptor
- CROS and BI-CROS
- External microphone (MIC 32)

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

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Oticon | Sumo DM

PRODUCT OVERVIEW

GENERAL FITTING

Oticon Sumo DM instruments are programmed using the Genie fitting software compatible with NOAH 2.0 and 3.0.

OPTIONS AND ACCESSORIES

Dedicated Amigo FM Receiver
The dedicated R7 receiver conveniently eliminates the need for an adaptor shoe.

Dedicated Amigo FM receiver R7	140-06-XXX-XX

FM adaptor shoe
The FM7 adaptor shoe is used with ear level FM systems.

FM adaptor shoe	399-50-920-02

Tamper-resistant battery drawer
The tamper-resistant battery drawer is strongly recommended when fitting children or persons of mental incapacity. Available in hair tone and transparent kids colours. (Please refer to the Instructions for Use).

COLOUR SELECTION

SOLID COLOURS

10 Beige	11 Light Brown	12 Dark Brown	37 Black
13 Light Grey	14 Dark Grey	40 Baby Blue	41 Baby Pink

TRANSPARENT

30 Transparent	31 Yellow	32 Orange	33 Pink	34 Purple
35 Blue	36 Green			

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 ULTRA POWER

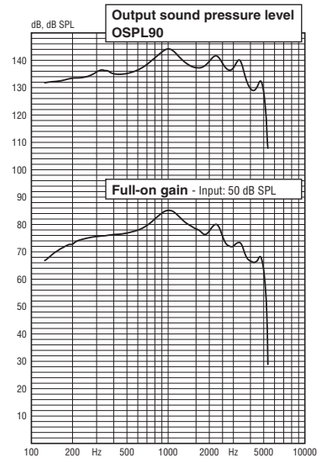
Scale 1:1

Technical Information
Omnidirectional mode is used unless otherwise stated.

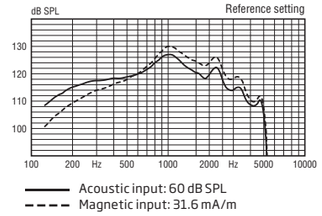
Warning to the instrument dispenser
The maximum output capability of the hearing instrument may exceed 132 dB SPL (IEC 711). Special care should be exercised in selecting and fitting the instrument as there may be risk of impairing the remaining hearing of the hearing instrument user.

EAR SIMULATOR

Measured according to IEC publications 118-0, -1, -2, -6, -13 (incl. amendments) and 711.

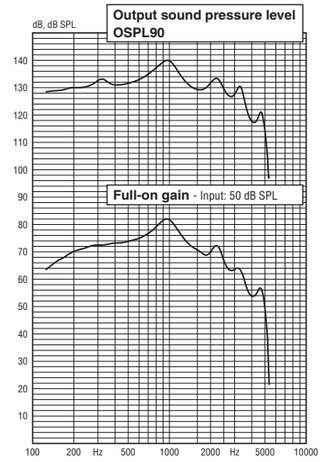


Frequency response with magnetic and acoustic input

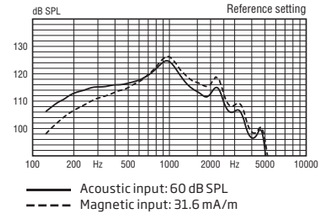


2CC COUPLER

Measured according to IEC publications 118-7 (incl. amendments) and 126 and to ANSI S3.22 (2003) and S3.7 (1995).



Frequency response with magnetic and acoustic input



OSPL90	Peak	144 dB SPL	140 dB SPL
	1600 Hz	137 dB SPL	129 dB SPL
	Average	140 dB SPL	135 dB SPL
Full-on gain	Peak	85 dB	82 dB
	1600 Hz	78 dB	71 dB
	Average	80 dB	75 dB
Frequency range		100-5000 Hz	100-4900 Hz
Telecoil output (1600 Hz)	1 mA/m field	112 dB SPL	106 dB SPL
	10 mA/m field	132 dB SPL	126 dB SPL
	SPLITS L/R	-	117 dB SPL
Total harmonic distortion	500 Hz	1.5 %	1.0 %
(Input 70 dB SPL)	800 Hz	1.0 %	0.5 %
	1600 Hz	1.0 %	0.5 %
Equivalent input noise level (A)	IEC 118-0	24 dB SPL	27 dB SPL
	ANSI, typical	-	27 dB SPL
Battery consumption	Quiescent	1.4 mA	1.4 mA
	Typical	1,5 mA	2.5 mA

Battery life* (Size 675, IEC PR44)	IEC 60118-0 §7.11	370 hours
IRIL (IEC 60118-13-1997)	GSM/DECT	900/1800; -26/-4 dB

*) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment