**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.

**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 POGO4+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)

**PRODUCT INFORMATION**

**FITTING RANGE**

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

www.oticon.com
**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 PFM 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** Pink
- **11** Light Brown
- **12** Dark Brown
- **13** Light Grey
- **14** Dark Grey
- **30** Transparent
- **31** Yellow
- **32** Orange
- **33** Pink
- **34** Purple
- **35** Blue
- **36** Green
- **37** Black
- **40** Baby Blue
- **41** Baby Pink

**TRANSPARENT**

- **30** Transparent
- **31** Yellow
- **32** Orange
- **33** Pink
- **34** Purple

**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

**PRODUCT SPECIFICATIONS**

**OSPL 90**
- **Peak** 144 dB SPL
- **Average** 140 dB SPL

**Full-on gain**
- **Peak** 85 dB 82 dB
- **Average** 70 dB 71 dB

**Frequency range**
- 100-5000 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
- SPLS L/R 117 dB SPL

**Total harmonic distortion**
- Input 70 dB SPL
- 1800 Hz 1.0 dB 0.5 dB
- 1600 Hz 1.0 dB 0.5 dB

**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
- Typical 1.5 mA

**Battery life**
- IEC 60118-0 §7.11
- 370 hours
- (Size 675, IEC PR44)

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