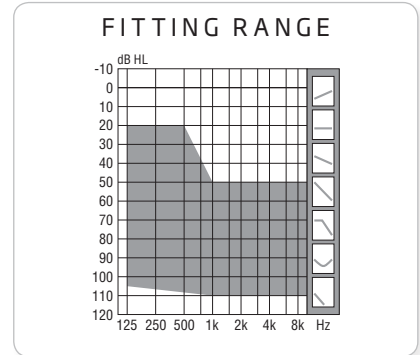


PRODUCT INFORMATION
**OTICON DYNAMO SP10, SP8,
 SP6 AND SP4**

Oticon | Dynamo

Oticon Dynamo is a BTE 13 Super Power instrument built on the Inium Sense platform, with a peak output of 139 dB SPL and a peak full-on gain of 78dB. Dynamo uses the new Inium Sense feedback shield^{SP}, an efficient anti-feedback system. Dynamo is designed for patients with severe-to-profound hearing loss who want a slim super power instrument, easy access to volume control, and support for individual listening preferences to ensure optimal speech understanding.

Dynamo features a unique combination approach to signal processing: Speech Rescue™ performs precise frequency composition to ensure fuller access to high frequency sounds while Speech Guard E's advanced adaptive compression preserves important speech details.



Speech Rescue™

Oticon's innovative frequency composition technology, Speech Rescue, increases speech understanding by rescuing speech cues that might otherwise be lost. Speech Rescue repositions higher frequency speech energy into available mid-frequency spaces with minimal disruption in the mid-frequencies. Speech Rescue provides the option to then turn down the high frequency gain or to provide the complete bandwidth of amplification even when Speech Rescue is on.

YouMatic Premium

YouMatic is a personal automatic system programmed to the patient's individual needs and sound preferences. YouMatic controls the sound processing across multiple environments by adjusting instrument response times, directionality, noise management, and transient management.

Speech Guard E

Speech Guard E is the amplitude compression system in Dynamo SP10 and SP8. It combines two methods of amplification, non-linear and linear, into 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 more clearly at a lower frequency region.

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 for severe-to-profound hearing losses, supporting Speech Rescue and an extended Super Power bandwidth.

Family Features

- Speech Guard E
- Speech Rescue™
- Inium Sense feedback shield^{SP}
- Binaural Noise Management
- Binaural Synchronization
- Binaural Coordination
- YouMatic
- Dynamic Speech Enhancement (DSE)
- Fitting Bandwidth 6.5 kHz*
- Free Focus
- TriState Noise Management
- Transient Management
- Activity Analyzer (datalogging)
- Bimodal support
- T-coil
- Special Purpose programs
- AutoPhone Program
- Back dir
- Power Bass (streaming)
- Music Widening (streaming)
- Multi-band Adaptive Directionality
- NAL, NAL-RP, DSL
- ConnectLine, Streamer, and Remote Control compatible
- DAI input and FM option
- Voice Priority *i*™
- In-situ audiometry
- EasyRECD™
- IP 58 classification for dust and water resistance
- Analog volume control w/mute

* Bandwidth accessible for gain adjustments during fitting



PRODUCT OVERVIEW

Features	Dynamo SP10	Dynamo SP8	Dynamo SP6	Dynamo SP4
Non-linear fitting formulas	DSE, NAL, DSL	DSE, NAL, DSL	DSE, NAL, DSL	DSE, NAL, DSL
DSE personal profiles	5	3	3	1
Linear fitting formulas	DSElin, NAL-RP	DSElin, NAL-RP	DSElin, NAL-RP	DSElin, NAL-RP
Speech Rescue™	Yes	Yes	Yes	Yes
Speech Guard E	Yes	Yes	No	No
Single compression	No	No	Yes	Yes
Binaural Noise Management	Yes	No	No	No
Binaural Synchronization (automatics)	Yes	Yes	No	No
Binaural Coordination (PB operations)	Yes	Yes	Yes	Yes
YouMatic	Premium	Advanced	Essential	No
Noise Management	Transient, TriState	Tri State	Standard	Standard
Inium Sense feedback shield ^{SP}	Yes	Yes	Yes	Yes
Free Focus	Premium	Advanced	Essential	Basic
Back dir ("backwards directionality")	Yes	Yes	Yes	No
Power Bass (streaming)	Yes	No	No	No
Music Widening (streaming)	Yes	No	No	No
Voice Priority <i>i</i> ™	Yes	Yes	Yes	No
Special Purpose programs (music, lecture, etc.)	Yes	Yes	Yes	No
Easy RECD™	Yes	Yes	Yes	No
Fitting Bands	9	8	6	4

GENERAL FITTING

Oticon Dynamo instruments are programmed using Genie 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.

OPTIONS AND ACCESSORIES

Tamper resistant battery drawer	Available in 7 colors
Damper	Damping element for replacement
DAI Adaptor	AP 900
Dedicated FM Receiver	Amigo R12 (available in all colors)
FM Adaptor	FM 9 Compatible with Amigo R2 and other universal receivers
Amigo FM Transmitters	T5, T30, T31

BTE COLOR SELECTION



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 limits below for extended periods during transportation and storage: Temperature: -25°C to +60°C Relative humidity: 5% to 93%, non-condensing

BTE SUPER POWER

OTICON DYNAMO SP10, SP8,
SP6 AND SP4



Scale 1:1

Technical Information

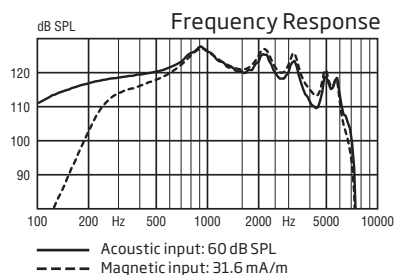
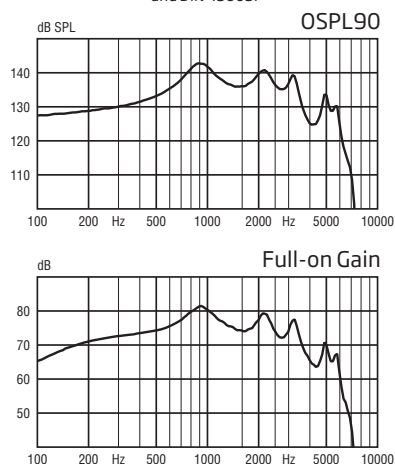
Omnidirectional mode is used unless otherwise stated.

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.

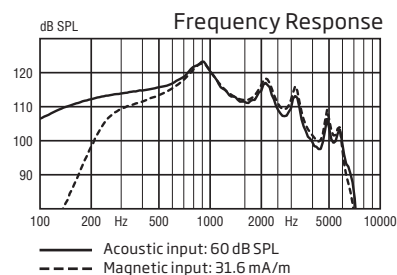
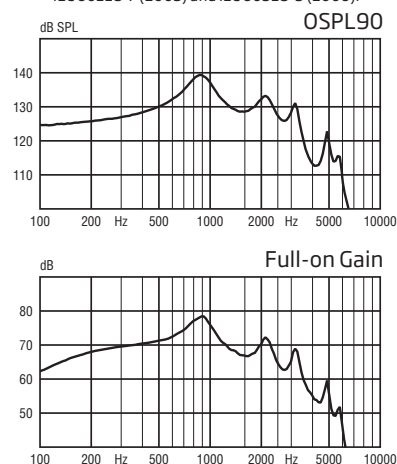
EAR SIMULATOR

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



ZCC 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 (Input 70 dB SPL)	500 Hz	6.0 %	2.0 %
	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	-
	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 standardized battery consumption measurement (IEC 60118-0.) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

People First

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