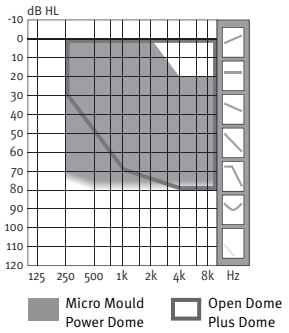
Oticon • Dual

PRODUCT INFORMATION - **CONNECT SERIES**

Oticon Dual Connect *is a series of wireless RITE hearing devices powered by a 312 battery. Dual Connect combines the most advanced acoustic performance with a discreet and beautiful design. The high speed wireless technology in Dual Connect uses the processing power of two hearing devices to provide the best and most natural sound. Acoustic parameters and advanced digital features are binaurally synchronised, giving the best possible audiological performance to users with hearing losses within the mild-to-severe range. Dual Connect comes in four performance versions:* ***XW, W, V,*** *and* ***Pro****.*

FITTING RANGE



KEY FEATURES

Spatial Sound

Binaurally fitted Dual Connect works as one central processing unit, helping to locate sounds in the listening environment. The spatial awareness and understanding is essential to segregate sounds. This has proven to provide remarkably better speech understanding.

RISE

The all new Dual Connect series is based on Oticon's RISE technology which ensures ultra fast audio processing and superior undistorted sound quality in all listening environments.

Full Connectivity and Remote Function

Integrated with a Streamer (optional), Dual Connect gives users a wide range of connectivity options between the hearing devices and Bluetooth enabled technologies like phones and TV-boxes. The Streamer can also be used to switch programs in the hearing device and adjust the volume.

Advanced Feedback Control

Dual uses Oticon's new dynamic feedback cancellation system (DFC2). This highly effective feature eliminates feedback in almost every situation.

Moisture and Wax Protection

Dual instruments are treated with a moisture repelling nanocoating to prevent corrosion, and Dual receivers benefit from a double layer of wax filters.

Battery Life

Dual's optimized RISE technology gives your patients up to 160 hours of battery life from a standard 312 battery.

Standard Features

- Extreme bandwidth 10 kHz
- Optimized battery life
- Dynamic Feedback Cancellation 2
- My Voice
- Phonecoil
- AutoPhone program
- TriState Noise Management
- Multiband Adaptive Directionality
- Voice Aligned Compression (VAC)
- Clarity2
- Identity Selector, up to 5 profiles
- Automatic and manual Adaptation Manager
- Front Focus
- Memory
- Streamer Option
- Up to 4 Programs (with Streamer)
- nEARcom enabled

nEARcom Ready

oticon PEOPLE FIRST

Oticon • Dual

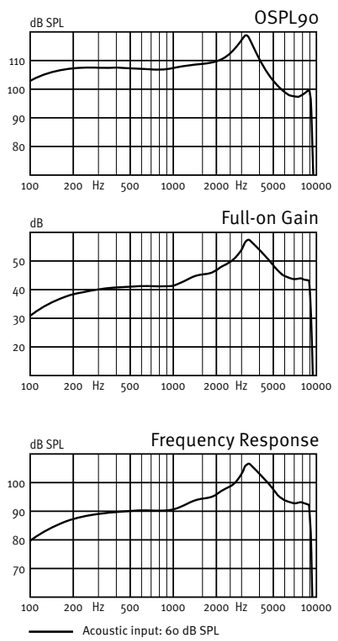
CONNECT SERIES (XW)

Scale 1:1

Technical Information
All measurements are made in a closed coupler system.

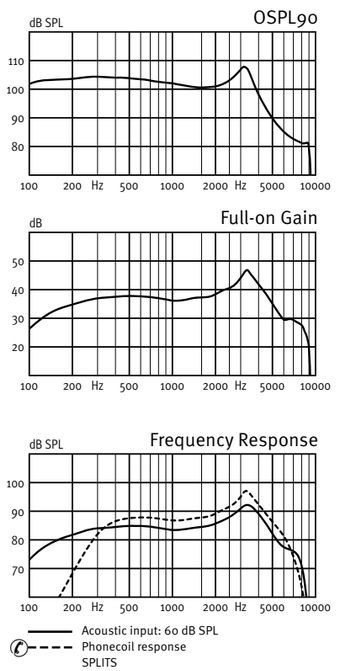
EAR SIMULATOR

Measured according to
IEC 60118-0 (1983), IEC 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	119 dB SPL	108 dB SPL
	1600 Hz	109 dB SPL	101 dB SPL
	Average	108 dB SPL	102 dB SPL
Full-on gain	Peak	58 dB	47 dB
	1600 Hz	45 dB	37 dB
	Average	43 dB	38 dB
Frequency range		100-9500 Hz	100-9000 Hz
Phonecoil sensitivity	HFA SPLITS L/R	-	89/89 dB SPL
Total harmonic distortion	500 Hz	0.4 %	0.4 %
(Input 70 dB SPL)	800 Hz	0.6 %	0.5 %
	1600 Hz	0.7 %	0.8 %
Equivalent input noise level (A)	Omni	20 dB SPL	18 dB SPL
	Dir	33 dB SPL	29 dB SPL
Battery consumption	Quiescent	1.1 mA	1.1 mA
	Typical	1.1 mA	1.1 mA

Estimated battery life	Typical	140 hours
(Size 312, IEC PR41)	Range	130-160 hours*
IRIL (IEC 60118-13)	GSM/DECT	-25/-24 dB SPL

*) Depending on battery capacity

Oticon • Dual

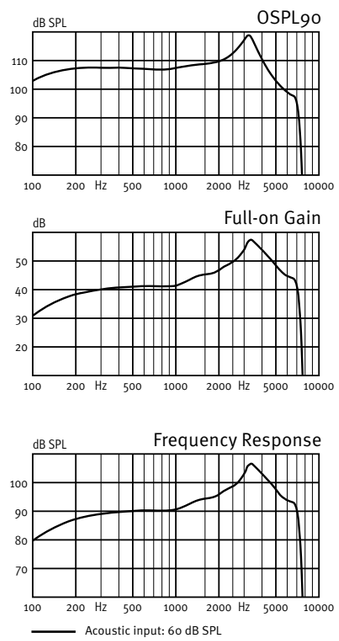
CONNECT SERIES (W/V/PRO)

Scale 1:1

Technical Information
All measurements are made in a closed coupler system.

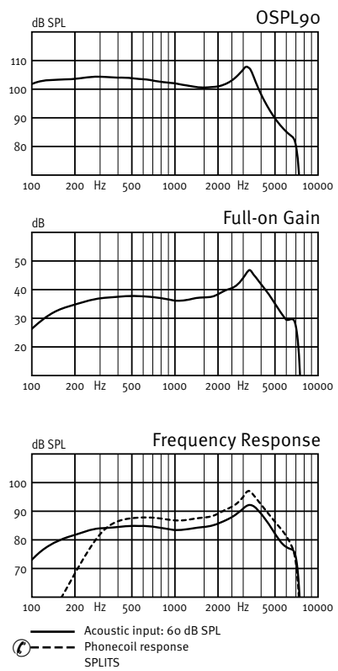
EAR SIMULATOR

Measured according to
IEC 60118-0 (1983), IEC 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	119 dB SPL	108 dB SPL
	1600 Hz	109 dB SPL	101 dB SPL
	Average	108 dB SPL	102 dB SPL
Full-on gain	Peak	58 dB	47 dB
	1600 Hz	45 dB	37 dB
	Average	43 dB	38 dB
Frequency range		100-7400 Hz	100-7200 Hz
Phonecoil sensitivity	HFA SPLITS L/R	-	89/89 dB SPL
Total harmonic distortion	500 Hz	0.4 %	0.4 %
(Input 70 dB SPL)	800 Hz	0.6 %	0.5 %
	1600 Hz	0.7 %	0.8 %
Equivalent input noise level (A)	Omni	20 dB SPL	18 dB SPL
	Dir	33 dB SPL	29 dB SPL
Battery consumption	Quiescent	1.1 mA	1.1 mA
	Typical	1.1 mA	1.1 mA

Estimated battery life	Typical	140 hours
(Size 312, IEC PR41)	Range	130-160 hours*
IRIL (IEC 60118-13)	GSM / DECT	-25/-24 dB SPL

*) Depending on battery capacity

Oticon • Dual

CONNECT SERIES

FEATURES	XW	W	V	PRO
Advanced Binaural Processing	Yes	No	No	No
Binaural Synchronisation	Yes	Yes	No	No
Binaural Coordination	Yes	Yes	Yes	No
Binaural DFC	Yes	Yes	Yes	No
My Voice	Yes	No	No	No
Streamer	Optional	Optional	Optional	No
Bandwidth	10 kHz	8 kHz	8 kHz	8 kHz
Fitting bands	10	8	6	6
Adaptive Directionality	Multiband	Multiband	Singleband	Singleband
Front Focus	Yes	Yes	Yes	Yes
Noise Management	TriState	TriState	Two state	Two state
VAC/Clarity2 rationales	Yes	Yes	Yes	Yes
DFC2	Yes	Yes	Yes	Yes
Memory/datalogging	Yes	Yes	Yes	Yes
Phonecoil	Yes	Yes	Yes	Yes
AutoPhone	Yes	Yes	Yes	Yes
Identities	5	5	3	3

RITE STYLE

Speaker Unit	Available in four lengths: Short, Medium, Long and Extra Long (1-4).
Ear Piece	Open dome: available in three sizes - 6 mm, 8 mm and 10 mm. Plus dome: available in one size. Power dome: available in three sizes - 8 mm, 10 mm and 12 mm. Micro Mould: Requires taking an impression.
Ear Grip	Ensures a secure and comfortable grip. One version fits right and left ear.

FITTING

Dual Connect is programmed using the Genie 2008.2 Fitting Software (or higher) compatible with NOAH 3 (or higher). They can be programmed using either programming cable #3 or wirelessly using nEARcom.

Wired fitting Programming cable # 3
Wireless fitting nEARcom

nEARcom provides a wireless link between NOAHlink and one or two wireless hearing aids. In addition nEARcom provides a wired pass-through connection to accommodate programming cables and replaces the existing NOAHlink neck loop.

COLOUR SELECTION

Spine colours
(Windfilter and battery drawer)

- Light Grey
- Dark Grey
- Dark Brown
- Beige
- Mother of Pearl
- Diamond Black

910 59 010 00 / 09.08