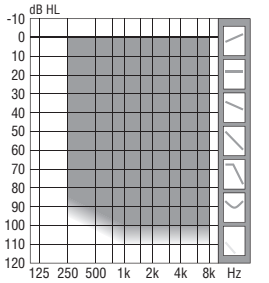
Oticon | Ino

PRODUCT INFORMATION
OTICON INO PRO
OTICON INO

***Oticon Ino** is a family of entry level hearing instruments suitable for hearing losses from mild to severe-to-profound. Ino lets your clients experience the benefits of some of the very latest advances in hearing care technology: fast and accurate sound processing on the RISE 2 platform, easy connectivity to phones and media devices with Ino Pro, and robust feedback elimination - all in a wide range of discreet, attractive styles.*

FITTING RANGE



Available in two price points

Oticon Ino is available in two feature configurations:

Oticon Ino Pro - is the full featured model with advanced comfort features and full connectivity allowing the user to fully enjoy the essentials of communication and entertainment.

Oticon Ino - provides the essentials of modern hearing instruments for users who accept basic features and conventional use of modern communication and entertainment devices.

RISE 2

The sound quality provided by our latest RISE 2 platform lets your clients enjoy the details and richness of the sounds around them. Access to details is essential to communication and relaxed interaction - the listening experience becomes less strenuous when the nuances of voices come through more clearly.

Connectivity

Oticon Ino Pro integrates fully with ConnectLine - a highly user-friendly connectivity solution for phones, TVs and music:

- One Streamer that gives intuitive control over and access to all devices - TV, phones, mobiles and more
- Low delay transmission for audio/picture synchronisation
- Low battery consumption
- ConnectLine Mic - enhancing one-to-one communication in challenging listening environments.

Family Features

- Binaural Coordination
- Dynamic Feedback Cancellation (DFC2)
- AI Essential
- Front Focus
- Adaptive Directionality
- Noise Management
- Bandwidth 8 kHz
- Open Ear Acoustics
- NAL-NL1, NAL-NL2 and DSL v5.0a m[i/o]
- Memory
- Four user programs
- AutoPhone program
- Streamer & ConnectLine enabled
- nEARcom Cordless enabled
- Auto Adaptation Manager
- In-situ audiometry

nEARcom Ready

RISE WIRELESS 2

oticon PEOPLE FIRST

PRODUCT OVERVIEW

MODEL FEATURES	Oticon Ino Pro	Oticon Ino
Binaural Coordination	Yes	No
Dynamic Feedback Cancellation (DFC2)	Yes	Yes
AI Essential	Yes	Yes
Adaptive Directionality	Yes	No
Automatic Directionality (Surround and Split)	Yes	Yes
Noise management	Modulation	Modulation
Identities	1	1
Fitting bands	6	4
Adaptation manager	Auto	Manual
Streamer & ConnectLine enabled	Yes	No
nEARcom Cordless enabled	Yes	Yes
Fitting Formulas	NAL, DSL	NAL, DSL
Fitting Bandwidth*	8 kHz	8 kHz

*) Bandwidth accessible for gain adjustments during fitting

FITTING

Oticon Ino instruments are programmed using the Genie 2012.1 Fitting Software or higher compatible with NOAH 3 or higher. They can be programmed using either programming cables #3 or cordlessly using nEARcom (TM#1).

Fitting with cables

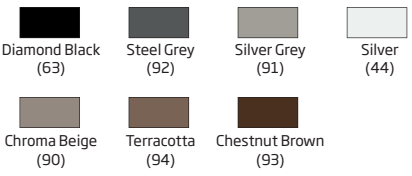
CIC/MIC	Flex Connect
ITC Power	Flex Connect
ITC/ITE	Programming Adaptor
miniRITE	Flex Connent
miniBTE	Cable #3 directly
BTE/RITE	Programming Shoe

Cordless fitting - nEARcom

nEARcom provides a cordless link between NOAHlink and one or two wireless enabled hearing instruments. In addition nEARcom provides a pass-through connection to accommodate programming cables and replaces the existing NOAHlink neck loop *(not availble with CIC/MIC and ITC Power).*

COLOUR SELECTION

RITE and miniBTE/ BTE Shells



RITE Custom Moulds

Custom Instruments

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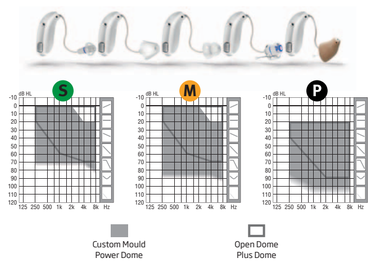
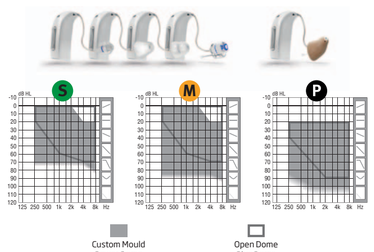
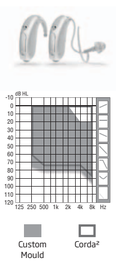
MINI RITE



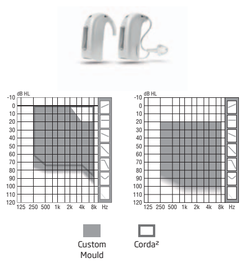
RITE



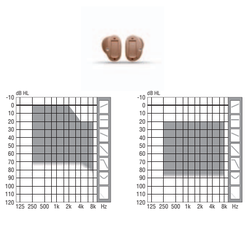
MINI BTE



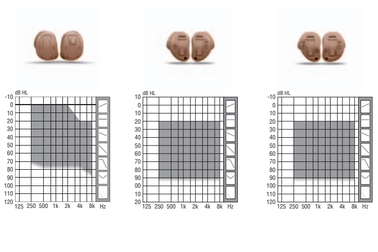
BTE



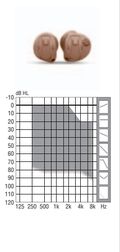
CIC/MIC



ITC



ITE



		MINI RITE			RITE			MINI BTE	BTE		CIC/MIC		ITC			ITE
		Standard	**Medium**	**Power**	**Standard**	**Medium**	**Power**	**Medium**	**Medium**	**Power**	**Standard**	**Power**	**Standard**	**Power Omni**	**Power Dir**	**Medium**
OSPL90 (peak)	Ear simulator	119 dB SPL	125 dB SPL	132 dB SPL	119 dB SPL	125 dB SPL	132 dB SPL	131 dB SPL	126 dB SPL	134 dB SPL	121 dB SPL	128 dB SPL	123 dB SPL	129 dB SPL	130 dB SPL	123 dB SPL
	2cc coupler	109 dB SPL	114 dB SPL	124 dB SPL	108 dB SPL	115 dB SPL	124 dB SPL	121 dB SPL	118 dB SPL	127 dB SPL	110 dB SPL	118 dB SPL	113 dB SPL	119 dB SPL	120 dB SPL	113 dB SPL
Full-on gain (peak)	Ear simulator	57 dB	61 dB	65 dB	57 dB	61 dB	65 dB	62 dB	60 dB	68 dB	48 dB	60 dB	51 dB	62 dB	62 dB	56 dB
	2cc coupler	46 dB	50 dB	55 dB	46 dB	51 dB	55 dB	53 dB	51 dB	61 dB	37 dB	50 dB	41 dB	54 dB	54 dB	46 dB
Directional		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	Yes	Yes
User programs		1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1-4	1	1	1-4	1-4	1-4	1-4
FM compatible		No	No	No	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No
Telecoil		No	No	No	Yes	Yes	Yes	No	Yes	Yes	No	No	Optional	Optional	Optional	Optional
AutoPhone		Yes (M)	Yes (M)	Yes (M)	Yes	Yes	Yes	Yes (M)	Yes	Yes	No	No	Optional	Optional	Optional	Optional
Volume control		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Optional	Optional	Optional	Optional
ConnectLine compatible		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Optional	No	No	Optional
Cordless fitting (nEARcom)		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Optional	No	No	Optional
Battery size		312	312	312	312	312	312	312	13	13	10	10	312	312	312	312
Battery life, typical		140 hours	120 hours	115 hours	108 hours	100 hours	100 hours	125 hours	220 hours	215 hours	100 hours	100 hours	117 (140*) hours	175 hours	140 hours	117 (140*) hours

(*) For non-wireless instruments

RITE STYLES

Receiver Unit	Three solutions with different output performance (Standard, Medium and Power), available in various lengths from size 1 to 5.
Receiver Connector (to instrument)	Type C1
Ear Piece	Open Dome: Available in three sizes (6 mm, 8 mm, 10 mm) Plus Dome: One size Power Dome: Available in four sizes (6 mm, 8 mm, 10 mm, 12 mm) Custom Moulds: Requires taking an impression. Customized ear pieces available as LiteTip and Micro Mould.
Ear Grip	Ensures a secure, comfortable grip and retention. One version fits left and right ear
Wax Protection	NoWax in receiver unit WaxStop in Micro Mould NoWax in Power Mould

BTE AND RITE STYLES

Tamper resistant battery drawer	Available in 7 colours
Sound Hook	Interchangeable standard and paediatric hook (BTE's only)
Damper	Damping element for replacement (Not used in BTE Power)
Thin Tube Fitting	Corda² (Not available for BTE Power)
DAI Adaptor	AP 900
Dedicated FM Receiver	Amigo R12
FM Adaptor	FM 9 Compatible with Amigo R1, R2 and other universal receivers (not recommended for instruments using 312 batteries).

MINI RITE STANDARD
OTICON INO PRO
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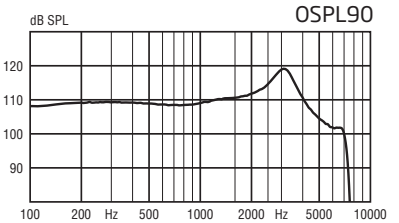
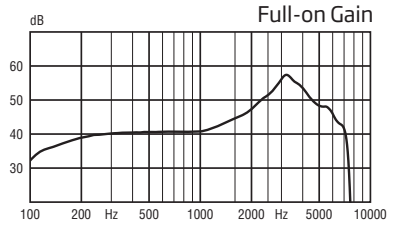
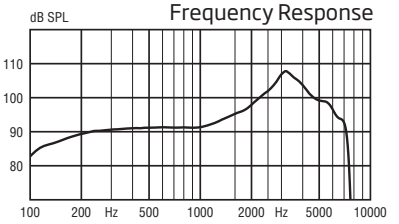
Scale 1:1

Technical Information
Omnidirectional mode is used unless otherwise stated.

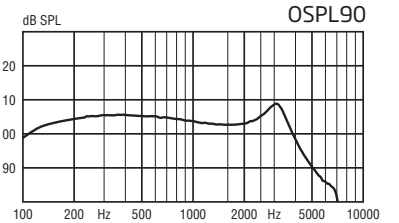
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

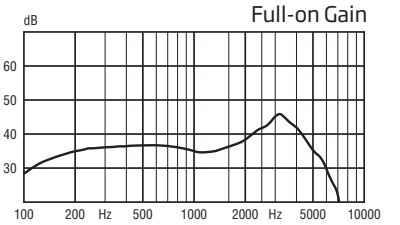


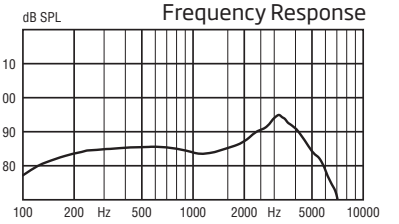




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







OSPL90	Peak	119 dB SPL	109 dB SPL
	1600 Hz	111 dB SPL	103 dB SPL
	Average	110 dB SPL	104 dB SPL
Full-on gain	Peak	57 dB	46 dB
	1600 Hz	44 dB	36 dB
	Average	42 dB	38 dB
Frequency range		100-7500 Hz	100-7100 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
Total harmonic distortion	500 Hz	0.3 %	0.2 %
(Input 70 dB SPL)	800 Hz	0.7 %	0.2 %
	1600 Hz	0.5 %	0.3 %
Equivalent input noise level (A)	Omni	24 dB SPL	19 dB SPL
	Dir	32 dB SPL	27 dB SPL
Battery consumption	Quiescent	1.0 mA	1.0 mA
	Typical	1.0 mA	1.0 mA

Battery life, calculated, hours*		140
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-23/-20 dB SPL

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

MINI RITE MEDIUM
OTICON INO PRO
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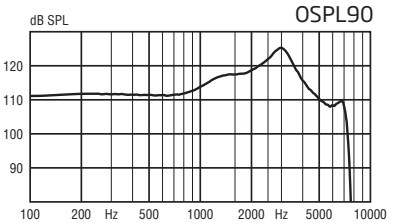
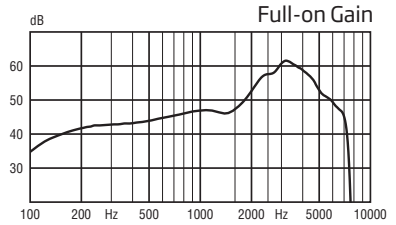
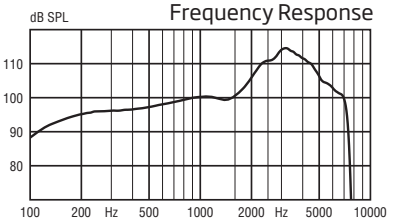
Scale 1:1

Technical Information
Omnidirectional mode is used unless otherwise stated.

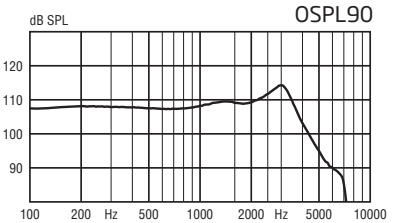
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

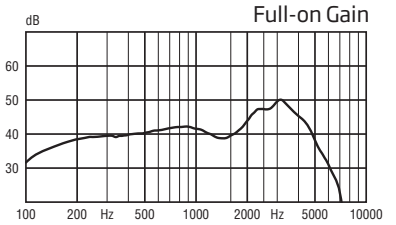


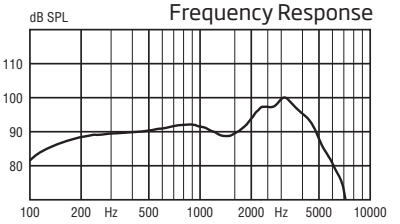




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







OSPL90	Peak	125 dB SPL	114 dB SPL
	1600 Hz	117 dB SPL	109 dB SPL
	Average	114 dB SPL	110 dB SPL
Full-on gain	Peak	61 dB	50 dB
	1600 Hz	48 dB	40 dB
	Average	48 dB	43 dB
Frequency range		100-7500 Hz	100-6800 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
Total harmonic distortion	500 Hz	0.7 %	0.5 %
(Input 70 dB SPL)	800 Hz	1.2 %	0.7 %
	1600 Hz	0.7 %	1.0 %
Equivalent input noise level (A)	Omni	24 dB SPL	21 dB SPL
	Dir	33 dB SPL	33 dB SPL
Battery consumption	Quiescent	1.2 mA	1.1 mA
	Typical	1.2 mA	1.1 mA

Battery life, calculated, hours*		120
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-17/-21 dB SPL

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

MINI RITEPOWER
OTICON INO PRO
OTICON INO

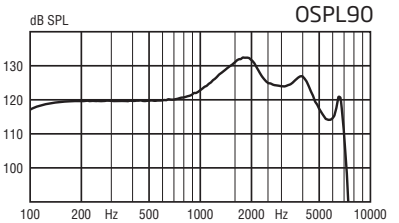
Oticon | Ino

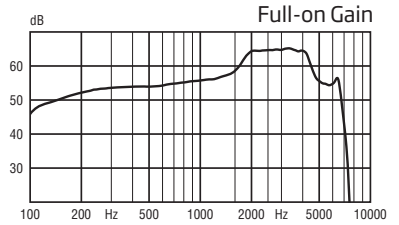
Scale 1:1

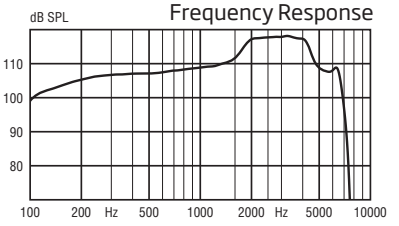
Technical Information
Omnidirectional mode is used unless otherwise stated.

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
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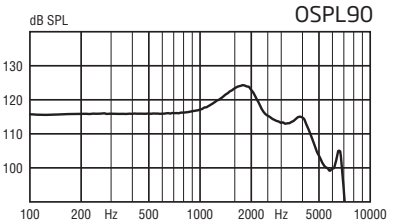
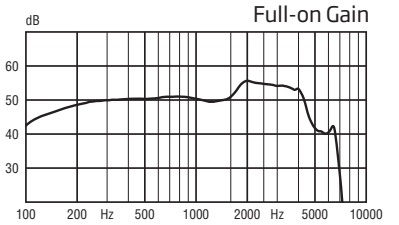
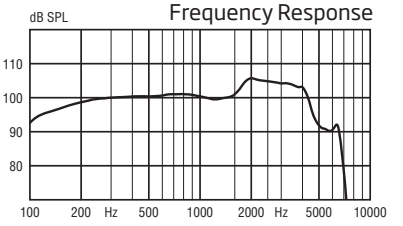
IEC 60118-7 (2005) and IEC 60318-5 (2006).







		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	132 dB SPL	124 dB SPL
	1600 Hz	131 dB SPL	124 dB SPL
	Average	125 dB SPL	119 dB SPL
Full-on gain	Peak	65 dB	55 dB
	1600 Hz	58 dB	51 dB
	Average	58 dB	52 dB
Frequency range		100-7000 Hz	100-6700 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
Total harmonic distortion	500 Hz	1.5 %	0.7 %
(Input 70 dB SPL)	800 Hz	0.8 %	0.4 %
	1600 Hz	0.4 %	0.2 %
Equivalent input noise level (A)	Omni	21 dB SPL	16 dB SPL
	Dir	30 dB SPL	25 dB SPL
Battery consumption	Quiescent	1.0 mA	1.1 mA
	Typical	1.0 mA	1.1 mA

Battery life, calculated, hours*		115
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-20/-23 dB SPL

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

RITE STANDARD
OTICON INO PRO
OTICON INO

Scale 1:1

Technical Information
Omnidirectional mode is used unless otherwise stated.

EAR SIMULATOR
Measured according to
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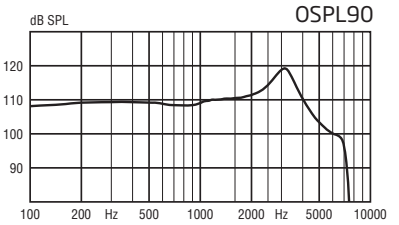
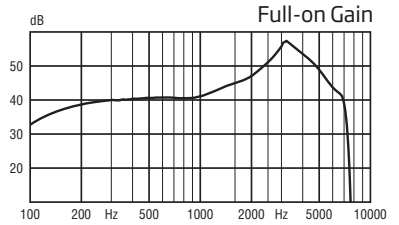
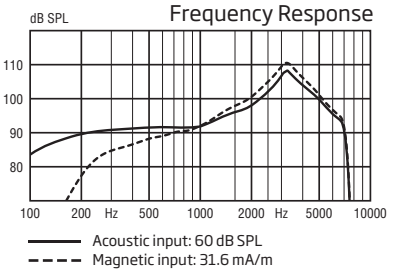
and DIN 45605.







2CC COUPLER
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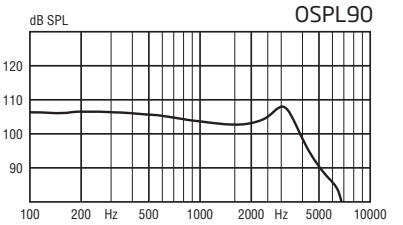
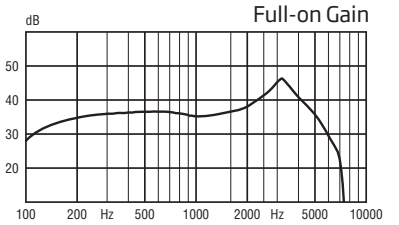
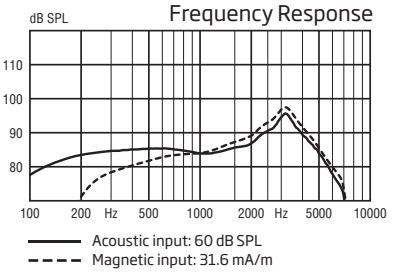
IEC 60118-7 (2005) and IEC 60318-5 (2006).







		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	119 dB SPL	108 dB SPL
	1600 Hz	111 dB SPL	103 dB SPL
	Average	110 dB SPL	104 dB SPL
Full-on gain	Peak	57 dB	46 dB
	1600 Hz	45 dB	37 dB
	Average	43 dB	37 dB
Frequency range		100-7400 Hz	100-7200 Hz
Telecoil output (1600 Hz)	1 mA/m field	77 dB SPL	-
	10 mA/m field	97 dB SPL	-
	SPLITS L/R	-	87/89 dB SPL
Total harmonic distortion	500 Hz	0.3 %	0.1 %
(Input 70 dB SPL)	800 Hz	0.5 %	0.3 %
	1600 Hz	0.5 %	0.4 %
Equivalent input noise level (A)	Omni	22 dB SPL	19 dB SPL
	Dir	29 dB SPL	25 dB SPL
Battery consumption	Quiescent	1.3 mA	1.3 mA
	Typical	1.3 mA	1.3 mA

Battery life, calculated, hours*		108
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-23/-12 dB SPL

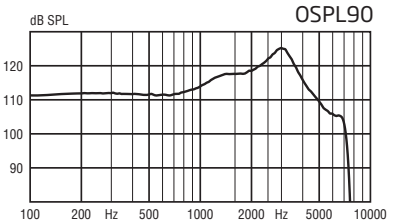
*) Based on the standardised battery consumption measurement. The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

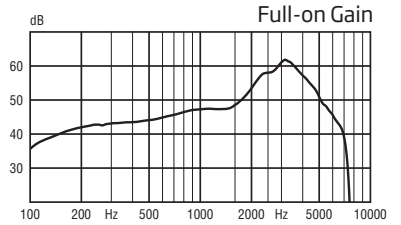
RITE MEDIUM
OTICON INO PRO
OTICON INO

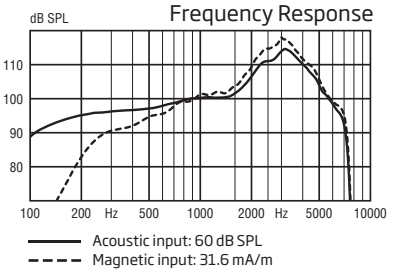
Scale 1:1

Technical Information
Omnidirectional mode is used unless otherwise stated.

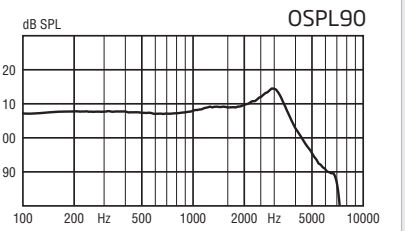
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

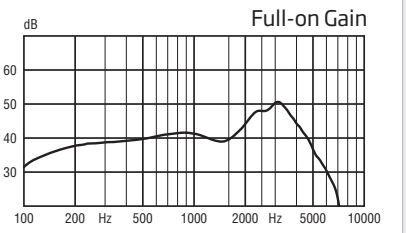


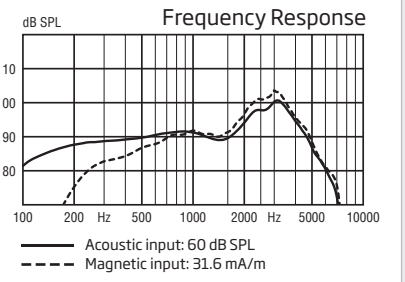




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	125 dB SPL	115 dB SPL
	1600 Hz	117 dB SPL	109 dB SPL
	Average	114 dB SPL	110 dB SPL
Full-on gain	Peak	61 dB	51 dB
	1600 Hz	48 dB	40 dB
	Average	48 dB	43 dB
Frequency range		100-7300 Hz	100-6700 Hz
Telecoil output (1600 Hz)	1 mA/m field	80 dB SPL	-
	10 mA/m field	100 dB SPL	-
	SPLITS L/R	-	93/94 dB SPL
Total harmonic distortion	500 Hz	0.8 %	0.6 %
(Input 70 dB SPL)	800 Hz	1.3 %	0.7 %
	1600 Hz	0.6 %	0.6 %
Equivalent input noise level (A)	Omni	24 dB SPL	20 dB SPL
	Dir	33 dB SPL	27 dB SPL
Battery consumption	Quiescent	1.3 mA	1.4 mA
	Typical	1.3 mA	1.4 mA

Battery life, calculated, hours*		100
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-21/-11 dB SPL

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

RITE POWER
OTICON INO PRO
OTICON INO

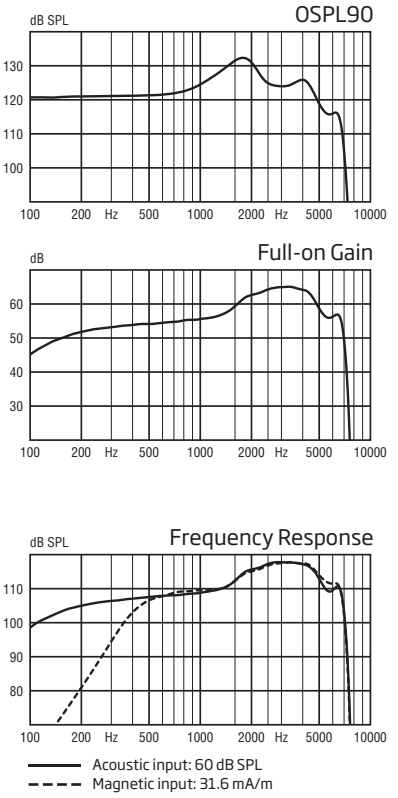
Oticon | Ino

Scale 1:1

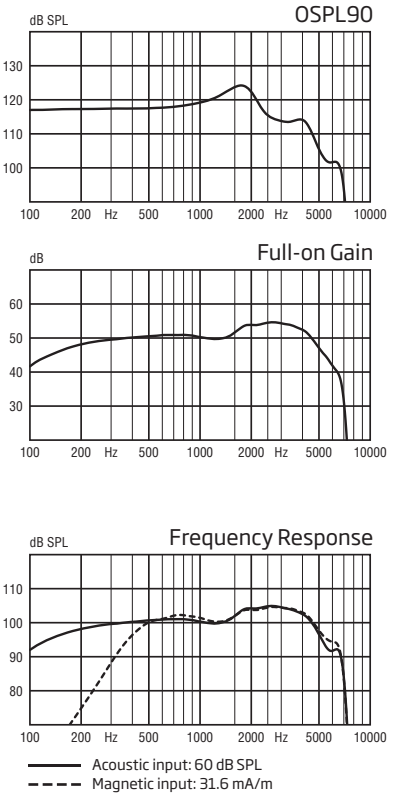
Technical Information
Omnidirectional mode is used unless otherwise stated.

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).



		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	132 dB SPL	124 dB SPL
	1600 Hz	131 dB SPL	124 dB SPL
	Average	125 dB SPL	119 dB SPL
Full-on gain	Peak	65 dB	55 dB
	1600 Hz	59 dB	52 dB
	Average	57 dB	52 dB
Frequency range		100-7500 Hz	100-7100 Hz
Telecoil output (1600 Hz)	1 mA/m field	89 dB SPL	-
	10 mA/m field	109 dB SPL	-
	SPLITS L/R	-	101/101 dB SPL
Total harmonic distortion	500 Hz	2.0 %	1.0 %
(Input 70 dB SPL)	800 Hz	1.0 %	0.5 %
	1600 Hz	0.5 %	0.5 %
Equivalent input noise level (A)	Omni	20 dB SPL	16 dB SPL
	Dir	35 dB SPL	30 dB SPL
Battery consumption	Quiescent	1.2 mA	1.2 mA
	Typical	1.3 mA	1.4 mA

Battery life, calculated, hours*		100
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-13/-7 dB SPL

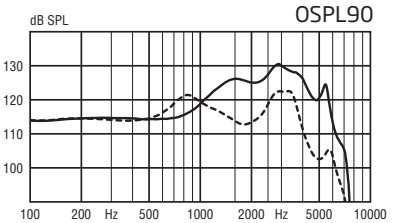
*) Based on the standardised battery consumption measurement. The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

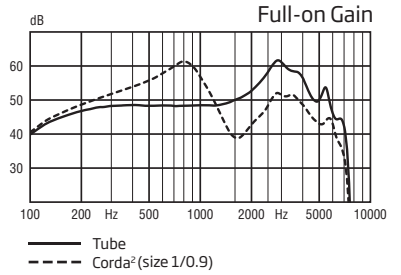
MINI BTE
OTICON INO PRO
OTICON INO

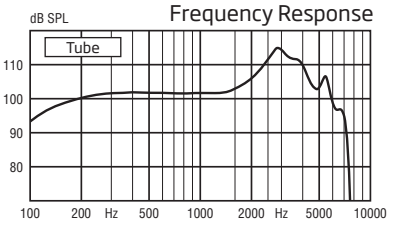
Scale 1:1

Technical Information
Omnidirectional mode is used unless otherwise stated.

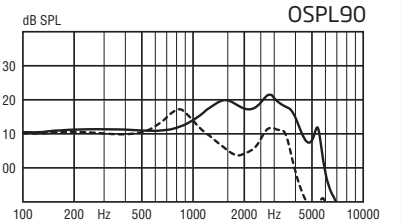
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

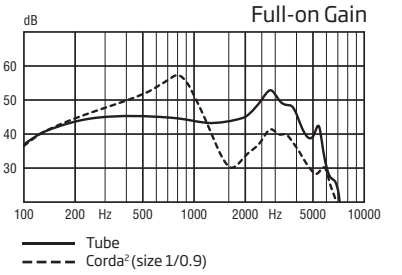


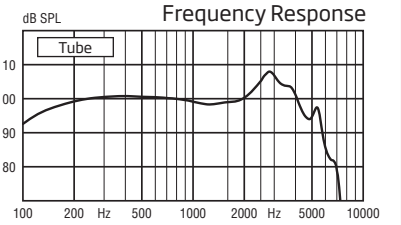




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







OSPL90	Peak	131 (122*) dB SPL	121 (117*) dB SPL
	1600 Hz	126 (114*) dB SPL	120 (105*) dB SPL
	Average	119 (116*) dB SPL	118 (109*) dB SPL
Full-on gain	Peak	62 (61*) dB	53 (57*) dB
	1600 Hz	50 (39*) dB	44 (30*) dB
	Average	50 (52*) dB	46 (40*) dB
Frequency range		100-7300 Hz	100-6900 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
Total harmonic distortion	500 Hz	0.9 %	0.7 %
(Input 70 dB SPL)	800 Hz	1.2 %	1.0 %
	1600 Hz	0.4 %	0.2 %
Equivalent input noise level (A)	Omni	22 dB SPL	17 dB SPL
	Dir	29 dB SPL	25 dB SPL
Battery consumption	Quiescent	1.1 mA	1.2 mA
	Typical	1.1 mA	1.2 mA

Battery life, calculated, hours**		125
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-41/-9 dB SPL

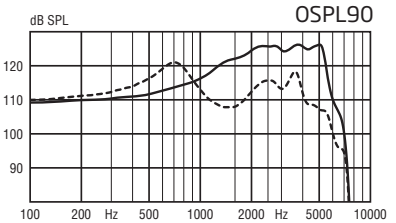
(*) For instruments fitted with Corda²
**) Based on the standardised battery consumption measurement. The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

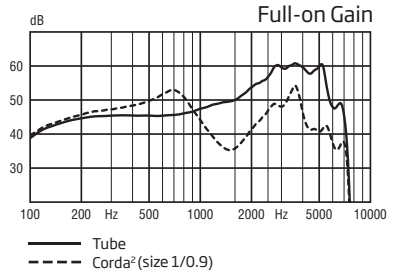
BTE
OTICON INO PRO
OTICON INO

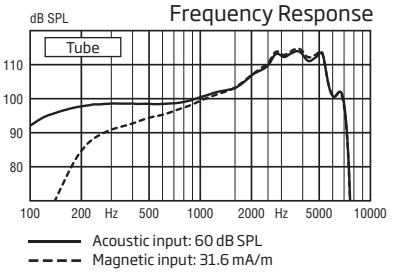
Scale 1:1

Technical Information
Omnidirectional mode is used unless otherwise stated.

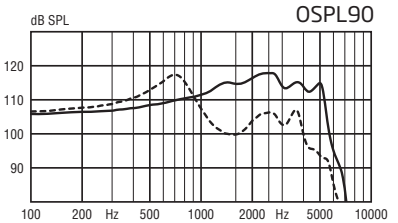
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

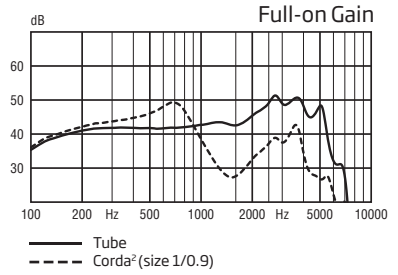


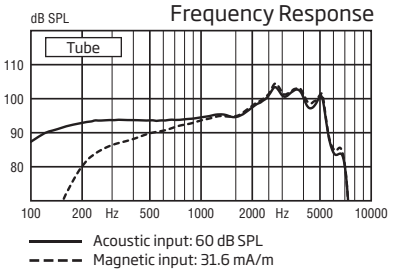




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







OSPL90	Peak	126 (121*) dB SPL	118 (117*) dB SPL
	1600 Hz	122 (108*) dB SPL	115 (100*) dB SPL
	Average	118 (114*) dB SPL	114 (104*) dB SPL
Full-on gain	Peak	60 (54*) dB	51 (49*) dB
	1600 Hz	50 (36*) dB	43 (28*) dB
	Average	49 (45*) dB	45 (34*) dB
Frequency range		100-7300 Hz	100-7100 Hz
Telecoil output (1600 Hz)	1 mA/m field	80 dB SPL	-
	10 mA/m field	100 dB SPL	-
	SPLITS L/R	-	95/95 dB SPL
Total harmonic distortion	500 Hz	0.3 %	0.2 %
(Input 70 dB SPL)	800 Hz	0.6 %	0.4 %
	1600 Hz	0.3 %	0.2 %
Equivalent input noise level (A)	Omni	23 dB SPL	18 dB SPL
	Dir	31 dB SPL	27 dB SPL
Battery consumption	Quiescent	1.2 mA	1.2 mA
	Typical	1.2 mA	1.2 mA

Battery life, calculated, hours**		220
(Size 13, IEC PR48)		
IRIL (IEC 60118-13)	GSM/DECT	-27/-34 dB SPL

(*) For instruments fitted with Corda²
**) Based on the standardised battery consumption measurement. The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

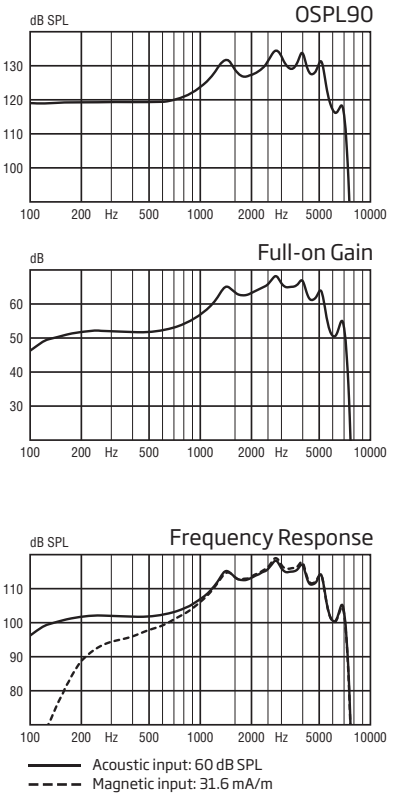
BTE POWER
OTICON INO PRO
OTICON INO

Scale 1:1

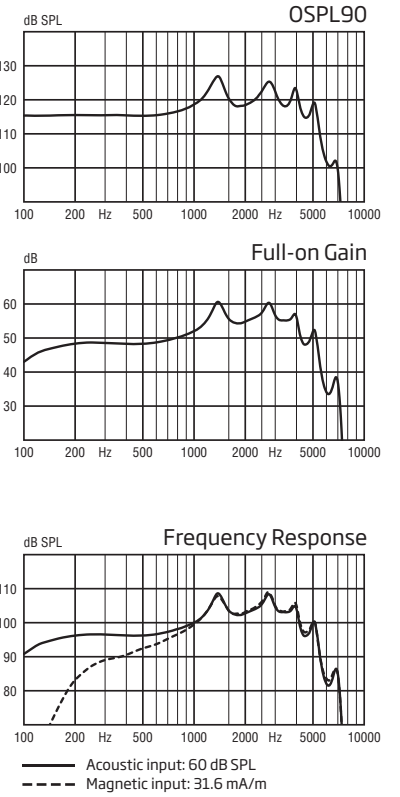
Technical Information
Omnidirectional mode is used unless otherwise stated.

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).



		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	134 dB SPL	127 dB SPL
	1600 Hz	128 dB SPL	120 dB SPL
	Average	123 dB SPL	120 dB SPL
Full-on gain	Peak	68 dB	61 dB
	1600 Hz	63 dB	56 dB
	Average	57 dB	55 dB
Frequency range		100-7200 Hz	100-6000 Hz
Telecoil output (1600 Hz)	1 mA/m field	93 dB SPL	-
	10 mA/m field	113 dB SPL	-
	SPLITS L/R	-	99/99 dB SPL
Total harmonic distortion	500 Hz	1.4 %	1.0 %
(Input 70 dB SPL)	800 Hz	0.5 %	0.5 %
	1600 Hz	0.4 %	0.3 %
Equivalent input noise level (A)	Omni	16 dB SPL	15 dB SPL
	Dir	28 dB SPL	26 dB SPL
Battery consumption	Quiescent	1.2 mA	1.2 mA
	Typical	1.2 mA	1.2 mA

Battery life, calculated, hours*		215
(Size 13, IEC PR48)		
IRIL (IEC 60118-13)	GSM/DECT	-28/-34 dB SPL

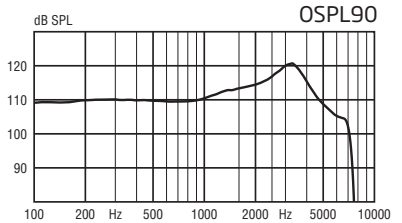
*) Based on the standardised battery consumption measurement. The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

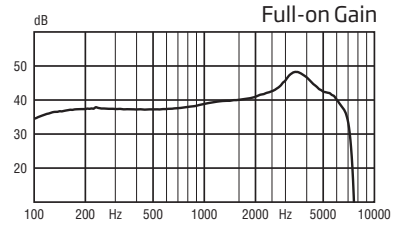
CIC/MIC
OTICON INO PRO
OTICON INO

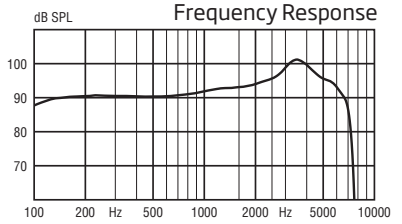
Scale 1:1

Technical Information
All measurements are made on instruments with NoWax protection. Omnidirectional mode is used unless otherwise stated.

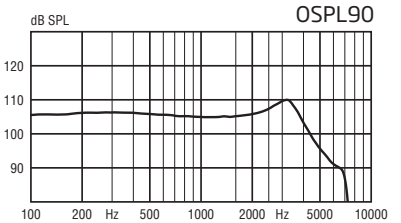
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

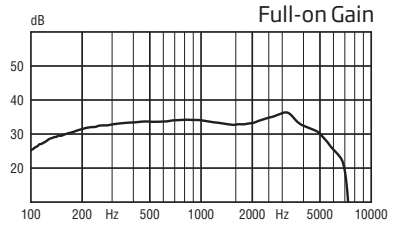


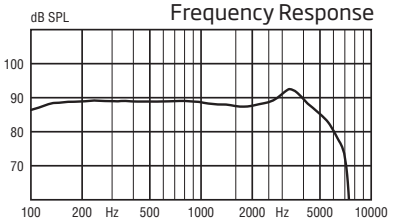




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







OSPL90	Peak	121 dB SPL	110 dB SPL
	1600 Hz	113 dB SPL	104 dB SPL
	Average	111 dB SPL	105 dB SPL
Full-on gain	Peak	48 dB	37 dB
	1600 Hz	40 dB	32 dB
	Average	39 dB	33 dB
Frequency range		100-7300 Hz	100-7000 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS	-	-
Total harmonic distortion	500 Hz	1.3 %	1.2 %
(Input 70 dB SPL)	800 Hz	1.5 %	1.3 %
	1600 Hz	0.4 %	1.2 %
Equivalent input noise level (A)	Omni	21 dB SPL	19 dB SPL
	Dir	-	-
Battery consumption	Quiescent	0.8 mA	0.8 mA
	Typical	0.8 mA	0.8 mA

Battery life, calculated, hours*		100
(Size 10, IEC PR70)		
IRIL (IEC 60118-13)	GSM/DECT	-28/-33 dB SPL

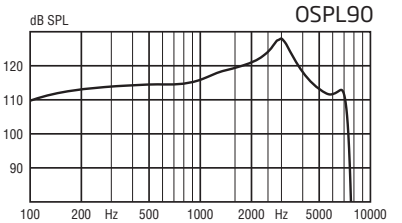
*) Based on the standardised battery consumption measurement. The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

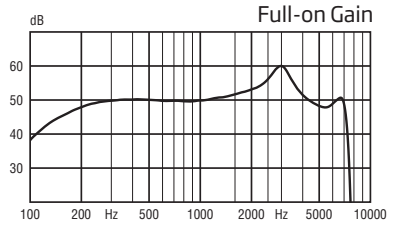
CIC/MIC POWER
OTICON INO PRO
OTICON INO

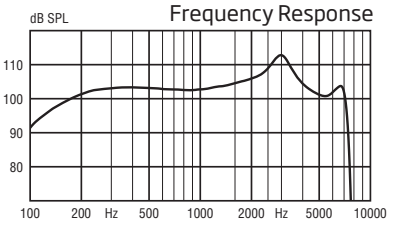
Scale 1:1

Technical Information
All measurements are made on instruments with NoWax protection. Omnidirectional mode is used unless otherwise stated.

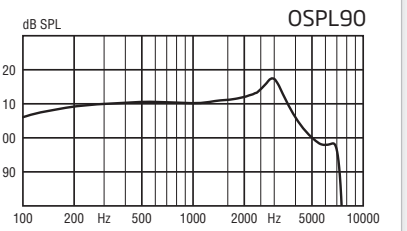
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

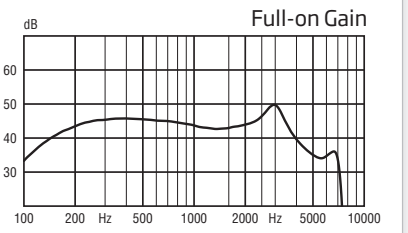


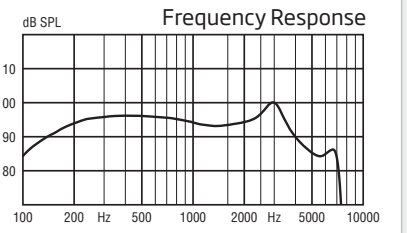




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







OSPL90	Peak	128 dB SPL	118 dB SPL
	1600 Hz	119 dB SPL	111 dB SPL
	Average	117 dB SPL	112 dB SPL
Full-on gain	Peak	60 dB	50 dB
	1600 Hz	52 dB	43 dB
	Average	51 dB	45 dB
Frequency range		100-7400 Hz	100-7300 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
Total harmonic distortion	500 Hz	2.0 %	1.0 %
(Input 70 dB SPL)	800 Hz	2.5 %	1.0 %
	1600 Hz	1.5 %	2.0 %
Equivalent input noise level (A)	Omni	21 dB SPL	19 dB SPL
	Dir	-	-
Battery consumption	Quiescent	0.8 mA	0.8 mA
	Typical	0.8 mA	0.8 mA

Battery life, calculated, hours*		100
(Size 10, IEC PR70)		
IRIL (IEC 60118-13)	GSM/DECT	-28/-33 dB SPL

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

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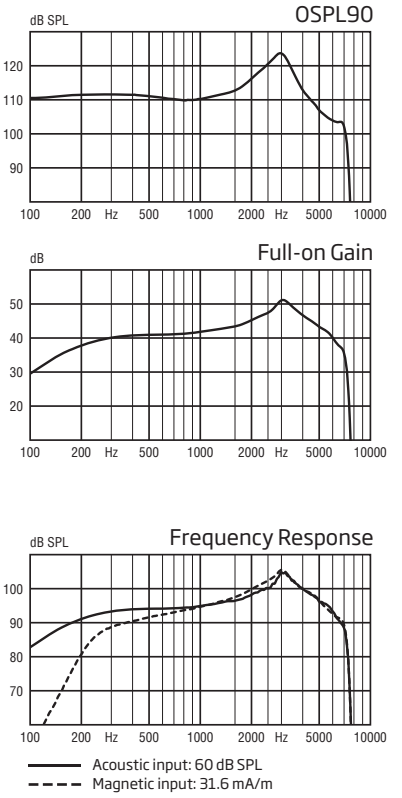
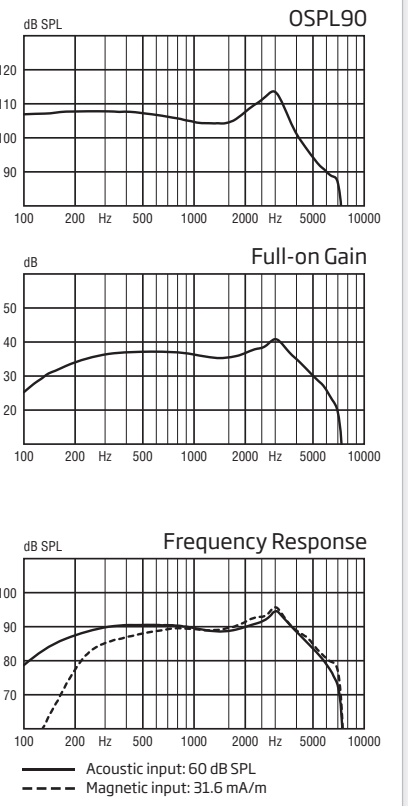
Scale 1:1

Technical Information
All measurements are made on instruments with NoWax protection. Omnidirectional mode is used unless otherwise stated.

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).



		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	123 dB SPL	113 dB SPL
	1600 Hz	113 dB SPL	105 dB SPL
	Average	112 dB SPL	107 dB SPL
Full-on gain	Peak	51 dB	41 dB
	1600 Hz	43 dB	35 dB
	Average	43 dB	37 dB
Frequency range		100-7400 Hz	100-7200 Hz
Telecoil output (1600 Hz)	1 mA/m field	74 dB SPL	-
	10 mA/m field	94 dB SPL	-
	SPLITS L/R	-	87/87 dB SPL
Total harmonic distortion	500 Hz	0.8 %	0.6 %
(Input 70 dB SPL)	800 Hz	1.0 %	0.6 %
	1600 Hz	1.0 %	0.6 %
Equivalent input noise level (A)	Omni	19 dB SPL	17 dB SPL
	Dir	28 dB SPL	26 dB SPL
Battery consumption	Quiescent	1.1 (0.9*) mA	1.1 (0.9*) mA
	Typical	1.2 (1.0*) mA	1.2 (1.0*) mA

Battery life, calculated, hours**		117
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-38/-17 dB SPL

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

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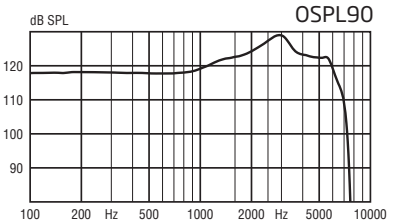
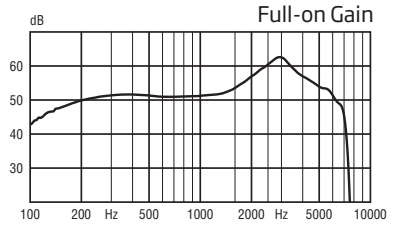
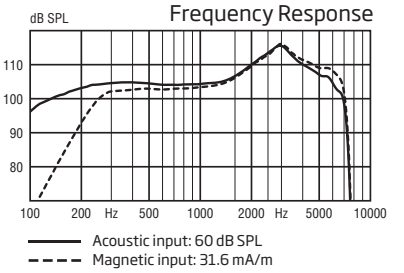
Scale 1:1

Technical Information
All measurements are made on instruments with NoWax protection. Omnidirectional mode is used unless otherwise stated.

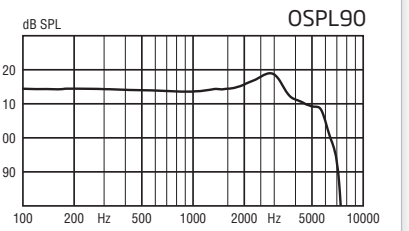
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

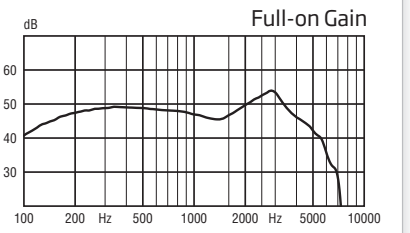


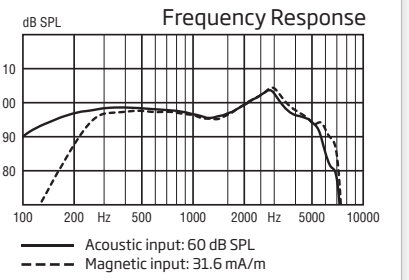




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	129 dB SPL	119 dB SPL
	1600 Hz	122 dB SPL	114 dB SPL
	Average	120 dB SPL	115 dB SPL
Full-on gain	Peak	62 dB	54 dB
	1600 Hz	54 dB	46 dB
	Average	53 dB	49 dB
Frequency range		100-7000 Hz	100-6500 Hz
Telecoil output (1600 Hz)	1 mA/m field	84 dB SPL	-
	10 mA/m field	104 dB SPL	-
	SPLITS L/R	-	95/95 dB SPL
Total harmonic distortion	500 Hz	2.0 %	1.0 %
(Input 70 dB SPL)	800 Hz	2.0 %	1.0 %
	1600 Hz	2.0 %	1.0 %
Equivalent input noise level (A)	Omni	23 dB SPL	19 dB SPL
	Dir	-	-
Battery consumption	Quiescent	0.8 mA	1.0 mA
	Typical	0.8 mA	1.0 mA

Battery life, calculated, hours*		175
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-44/-17 dB SPL

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

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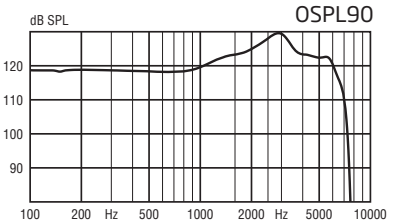
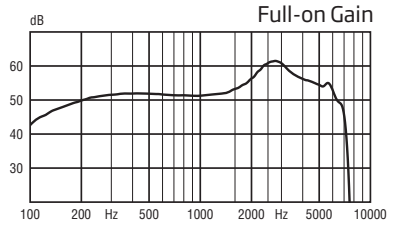
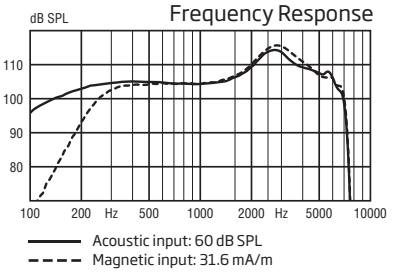
Scale 1:1

Technical Information
All measurements are made on instruments with NoWax protection. Omnidirectional mode is used unless otherwise stated.

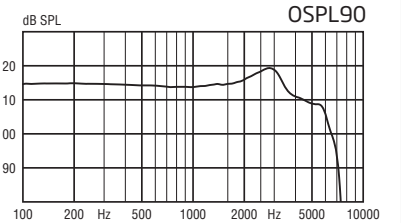
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

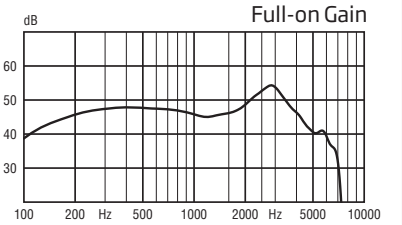


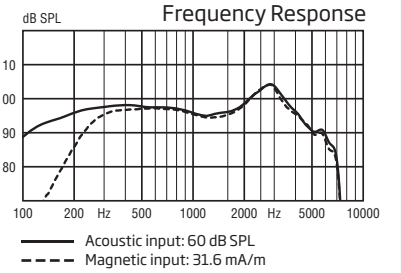




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	130 dB SPL	120 dB SPL
	1600 Hz	123 dB SPL	114 dB SPL
	Average	121 dB SPL	115 dB SPL
Full-on gain	Peak	62 dB	54 dB
	1600 Hz	54 dB	46 dB
	Average	53 dB	49 dB
Frequency range		100-7500 Hz	100-7000 Hz
Telecoil output (1600 Hz)	1 mA/m field	84 dB SPL	-
	10 mA/m field	104 dB SPL	-
	SPLITS L/R	-	95/95 dB SPL
Total harmonic distortion	500 Hz	2.5 %	1.0 %
(Input 70 dB SPL)	800 Hz	2.5 %	1.0 %
	1600 Hz	1.0 %	0.5 %
Equivalent input noise level (A)	Omni	21 dB SPL	17 dB SPL
	Dir	31 dB SPL	28 dB SPL
Battery consumption	Quiescent	1.0 mA	1.1 mA
	Typical	1.0 mA	1.1 mA

Battery life, calculated, hours*		140
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-45/-23 dB SPL

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

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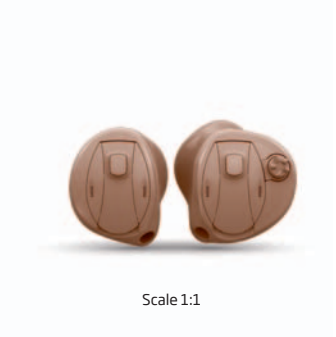
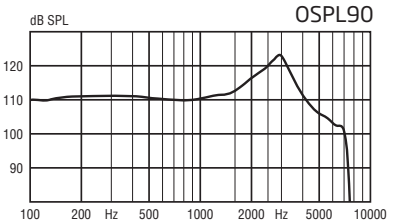
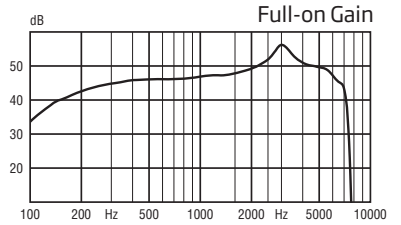


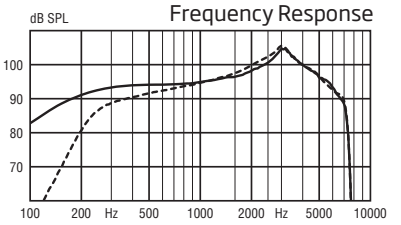
Scale 1:1

Technical Information
All measurements are made on instruments with NoWax protection. Omnidirectional mode is used unless otherwise stated.

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

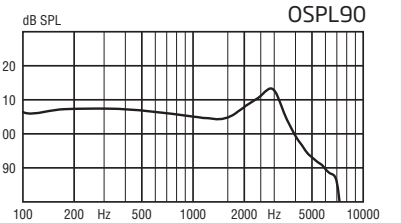


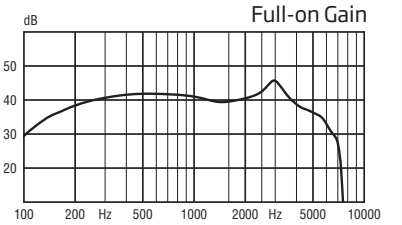


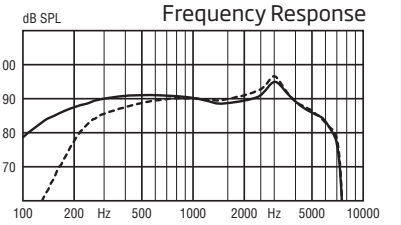


Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

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







Acoustic input: 60 dB SPL
Magnetic input: 31.6 mA/m

OSPL90	Peak	123 dB SPL	113 dB SPL
	1600 Hz	113 dB SPL	105 dB SPL
	Average	112 dB SPL	107 dB SPL
Full-on gain	Peak	56 dB	46 dB
	1600 Hz	48 dB	40 dB
	Average	47 dB	41 dB
Frequency range		100-7400 Hz	100-7200 Hz
Telecoil output (1600 Hz)	1 mA/m field	79 dB SPL	-
	10 mA/m field	99 dB SPL	-
	SPLITS L/R	-	87/87 dB SPL
Total harmonic distortion	500 Hz	0.7 %	0.5 %
(Input 70 dB SPL)	800 Hz	0.8 %	0.4 %
	1600 Hz	0.7 %	0.4 %
Equivalent input noise level (A)	Omni	20 dB SPL	17 dB SPL
	Dir	27 dB SPL	25 dB SPL
Battery consumption	Quiescent	1.1 (0.9*) mA	1.2 (1.0*) mA
	Typical	1.2 (1.0*) mA	1.3 (1.1*) mA

Battery life, calculated, hours**		117
(Size 312, IEC PR41)		
IRIL (IEC 60118-13)	GSM/DECT	-43/-21 dB SPL

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

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to communicate freely,
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