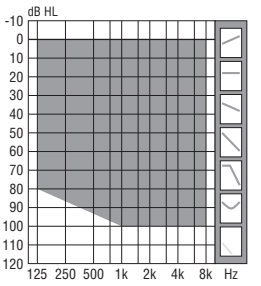
Oticon | Ria2

PRODUCT INFORMATION
OTICON RIA2 PRO Ti

Oticon Ria2 Pro Ti *is built on the new Inium Sense platform. Ria2 Pro Ti provides its users with essential listening performance and can be adjusted to the individual's listening preferences. Ria2 Pro Ti has new dedicated programs to support difficult listening situations.*

Tinnitus SoundSupport™ – an integrated sound generator – can be enabled as part of a tinnitus management program to provide tinnitus relief.
The Ria2 Pro Ti is available in BTE, RITE and the new compact miniRITE style, which sits even more discreetly on the ear.

FITTING RANGE



YouMatic Essential

YouMatic is a personal automatic system programmed to the client's individual needs and sound preferences.

YouMatic Essential makes it easy to adjust the instrument's reaction and response performance to better match clients' preferences in terms of comfort, support and clarity in sound.

Free Focus Essential

Free Focus Essential switches seamlessly between two modes – Optimized Omni and Split directionality – with the possibility to manually switch to Full directionality in very difficult listening situations.

Optimzed omni is a mode of directionality specifically developed to improve speech understanding by mimicking the natural front focus of the pinna to provide the desired access to the speech signal.

Inium feedback shield

Inium feedback shield is an effective feedback protection system implemented on the Oticon Inium Sense platform. Inium feedback shield is a hybrid system combining two anti-feedback principles to both prevent and suppress feedback, without superimposing artifacts onto the signal or sacrificing audibility.

Based on the environment, the system deploys the best combination of real time phase inversion and frequency shifts to deliver great sound quality at all times.

Tinnitus SoundSupport™

Tinnitus SoundSupport provides flexibility to suit clients' preferences with a wide range of sound options including ocean-like sounds along with broadband sounds (white, pink & red). "Shaped to audiogram" is a personalized sound option based on the client's audiogram and provides a simple starting point.

Family Features

- ❍ Tinnitus SoundSupport™
- ❍ Binaural Synchronization
- ❍ Binaural PB Coordination
- ❍ YouMatic Essential
- ❍ Fitting Bandwidth 8 kHz
- ❍ Inium feedback shield
- ❍ Free Focus Essentia
- ❍ Activity Analyzer
- ❍ T-coil
- ❍ AutoPhone Program
- ❍ Noise Managemnt (Modulation Based)
- ❍ Single Band Directionality
- ❍ NAL-NL1, NAL-NL2 and DSL v5.0a m[i/o]
- ❍ Flexible miniFit receiver system
- ❍ ConnectLine and Remote Control
- ❍ DAI input and FM option
- ❍ In-situ audiometry (Genie)

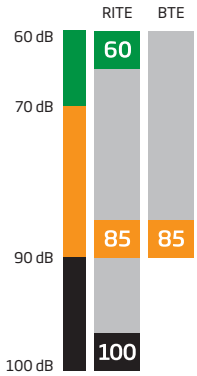
oticon
PEOPLE FIRST

PRODUCT OVERVIEW

ACCESSORIES

Accessories	Type/info	Use with
Tamper resistant battery drawer	Available in 7 colors Available in 8 colors	RITE, BTE13 miniRITE
DAI adaptor	AP900	BTE13 and RITE
Dedicated FM receiver	Amigo R12	BTE13 and RITE
FM adaptor	FM 9 Compatible with Amigo R2 and other universal receivers	BTE13

FITTING LEVELS



OSPL90 (peak)	Ear simulator
	2cc coupler
Full-on gain (peak)	Ear simulator
	2cc coupler
Tinnitus SoundSupport output (max)*	2cc coupler

* When the sound signal can exceed 80 dB(A) SPL, instructions must be provided to the patient regarding maximum wearing time. See Instruction for use.

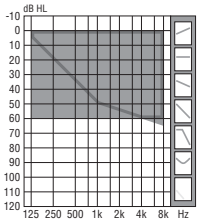
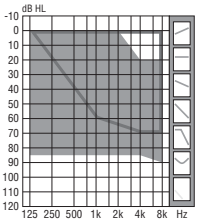
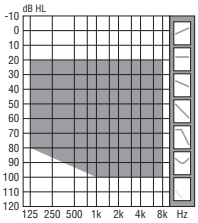
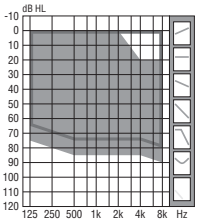
Battery size
Fitting levels
Battery life (h)**
Wireless
Directional
Program control
Volume control
Telecoil
AutoPhone
Connectline compatible / Remote Control compatible
FM compatible
Optional programming interface, cable #3

■ Default
○ Option

** Real usage battery life is shown as an estimated interval based on measurements with variable amplification settings and variable input levels.

RITE STYLES

BTE STYLES

60	85	100	85
			
	Mid Bass & Power dome / Open dome		Custom mold / Corda miniFit
115 dB SPL	127 dB SPL	132 dB SPL	126 dB SPL
105 dB SPL	118 dB SPL	124 dB SPL	117 dB SPL
46 dB	65 dB	66 dB	61 dB
35 dB	55 dB	57 dB	51 dB
90 dB(A) SPL	90 dB(A) SPL	90 dB(A) SPL	90 dB(A) SPL
			
miniRITE	RITE		BTE13
312	312		13
60 85 100	60 85 100		85
80-110	80-110		150-190
■	■		■
■	■		■
■	■		■
■	■		■
	■		■
■	■		■
■	■		■
	■		■
FlexConnect	Programming shoe		Programming shoe

PRODUCT OVERVIEW

GENERAL FITTING

Oticon Ria2 Pro Ti instruments are programmed using the Genie 2015.1 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.

miniRITE & RITE

Receiver unit	Must use miniFit receivers. Select between three receiver types with different output performance, labeled according to fitting capabilities: 60, 85 and 100. 60, 85 lengths 0-5 100 lengths 1-5
Receiver wire	Separate wires connect Power Receiver Molds (100) to the instruments, available in lengths 1-5.
Receiver connector to instrument	Type C1 (marked on packaging).
ProWax miniFit	miniFit receivers 60, 85 and 100
ProWax	Power Receiver Mold Micro Mold LiteTip

BTE

Sound hook	Interchangeable standard.
Damper	Damping plug available for BTE13 **85**.
Thin tubes	Corda miniFit (0.9 mm tube) for BTE13 **85**. Thin tubes are available in lengths -1-4. Style specific adapters must be used when connecting thin tubes.
ProWax	Micro Mold LiteTip

RITE & BTE STYLES

Ear pieces

All miniFit receivers and Corda miniFit tubes must use miniFit ear pieces.

LiteTip and Micro Mold (requires taking an impression).

Type	**Sizes**
Open dome	6, 8, 10 mm
Power dome	6, 8, 10, 12 mm
Bass dome, single vent	6, 8, 10, 12 mm
Bass dome, double vent	6, 8, 10, 12 mm
Grip Tip, no vent	S & L
Grip Tip, large vent	S & L

Oticon | Ria2

MODEL FEATURES	Oticon Ria2 Pro Ti
Fitting formulas	NAL, DSL
YouMatic	Essential
Binaural Synchronization (automatics)	Yes
Binaural Coordination (PB operations)	Yes
Fitting Bandwidth*	8 kHz
Free Focus	Essential
Inium feedback shield	Yes
Fitting Bands	6
Tinnitus SoundSupport™	Yes

* Bandwidth accessible for gain adjustments during fitting

COLOUR SELECTION

RITE & BTE STYLES

90 Chroma Beige | 94 Terracotta | 93 Chestnut Brown | 44 Silver | 91 Silver Grey | 92 Steel Grey | 63 Diamond Black

ADDITIONAL COLOURS

miniRITE

47 Cool Blue

POWER RECEIVER MOLDS

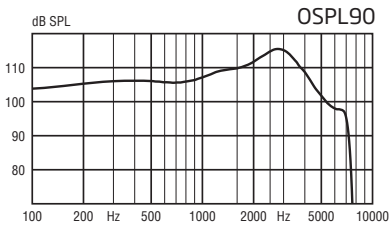
06
Clear

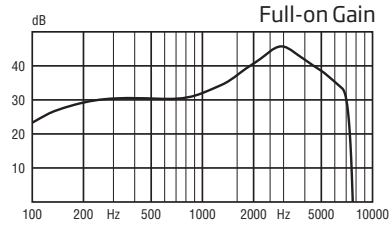
miniRITE 60
OTICON RIA2 PRO Ti

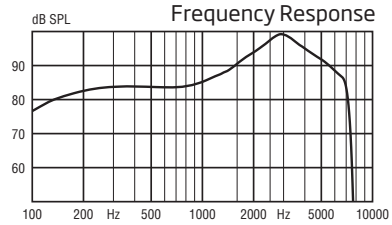
Scale 1:1

Technical information
Omnidirectional mode is used unless otherwise stated.

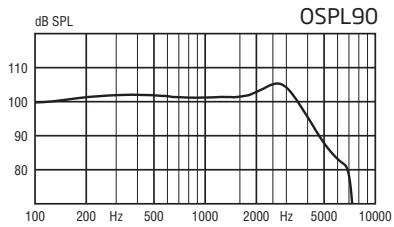
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

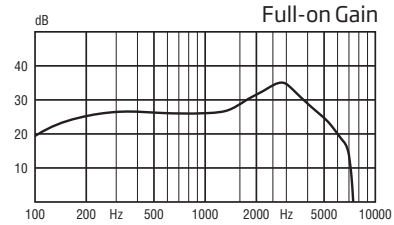


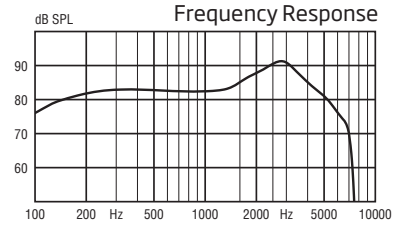




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







60

		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	115 dB SPL	105 dB SPL
	1600 Hz	110 dB SPL	101 dB SPL
	Average	108 dB SPL	103 dB SPL
Full-on gain	Peak	46 dB	35 dB
	1600 Hz	37 dB	29 dB
	Average	34 dB	30 dB
Reference test gain		30 dB	26 dB
Frequency range		100-7200 Hz	100-7000 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
Total harmonic distortion	500 Hz	<2 %	<2 %
(Input 70 dB SPL)	800 Hz	<2 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level (A)	Omni	21 dB SPL	16 dB SPL
	Dir	29 dB SPL	24 dB SPL
Battery consumption	Quiescent	1.0 mA	1.0 mA
	Typical	1.1 mA	1.3 mA

Battery life, calculated, hours*	130
Size 312 (IEC PR41)	
IRIL (IEC 60118-13-2011)	800/1400/2000 MHz: 43/26/<18 dB SPL

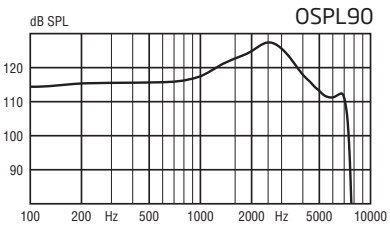
* Based on the standardized battery consumption measurement (IIC 60118-0.) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

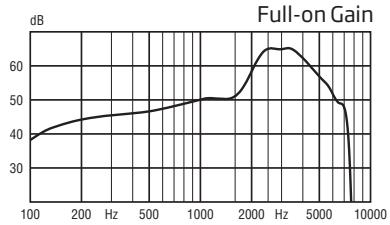
miniRITE 85
OTICON RIA2 PRO Ti

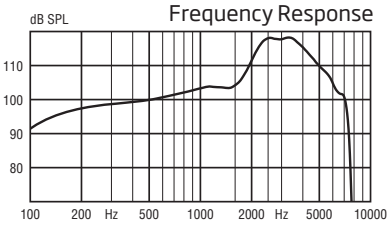
Scale 1:1

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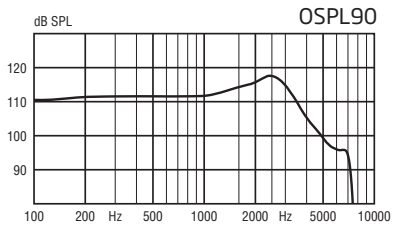
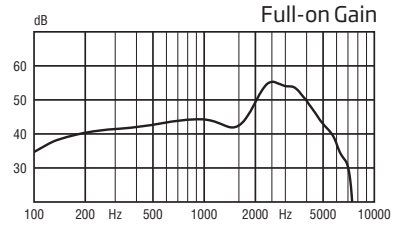
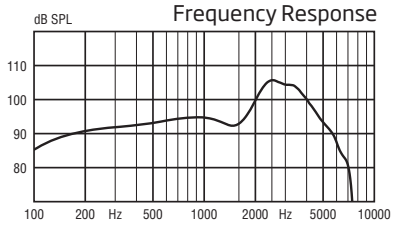
IEC 60118-7 (2005) and IEC 60318-5 (2006).







85

OSPL90	Peak	127 dB SPL	118 dB SPL
	1600 Hz	123 dB SPL	114 dB SPL
	Average	119 dB SPL	114 dB SPL
Full-on gain	Peak	65 dB	55 dB
	1600 Hz	51 dB	43 dB
	Average	52 dB	47 dB
Reference test gain		44 dB	38 dB
Frequency range		100-7500 Hz	100-7200 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
Total harmonic distortion	500 Hz	<2 %	<2 %
(Input 70 dB SPL)	800 Hz	2.4 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level (A)	Omni	25 dB SPL	18 dB SPL
	Dir	33 dB SPL	25 dB SPL
Battery consumption	Quiescent	1.0 mA	1.0 mA
	Typical	1.1 mA	1.2 mA

Battery life, calculated, hours*	130
Size 312 (IEC PR41)	
IRIL (IEC 60118-13-2011)	800/1400/2000 MHz: 45/30/25 dB SPL

* Based on the standardized battery consumption measurement (IIC 60118-0.) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

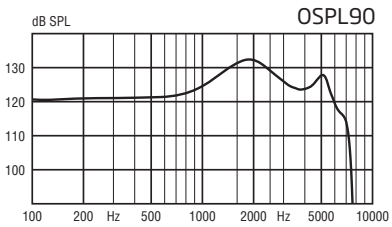
miniRITE 100
OTICON RIA2 PRO Ti

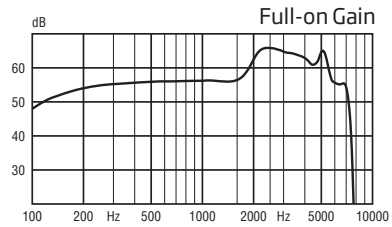
Scale 1:1

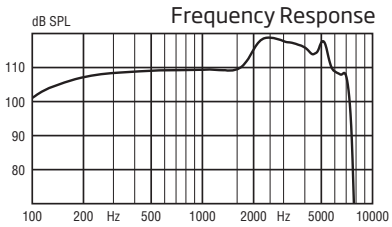
Technical information
Omnidirectional mode is used unless otherwise stated.

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.

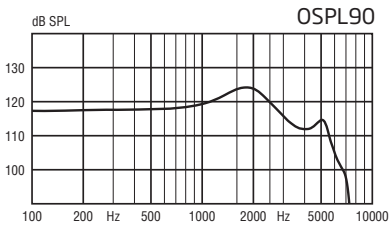
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

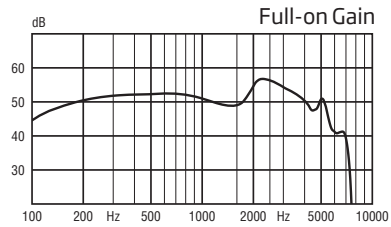


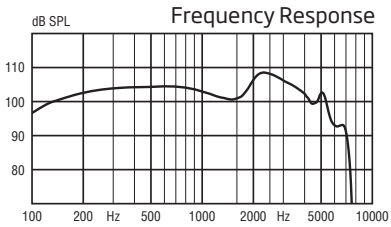




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







100

		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	132 dB SPL	124 dB SPL
	1600 Hz	131 dB SPL	124 dB SPL
	Average	126 dB SPL	121 dB SPL
Full-on gain	Peak	66 dB	57 dB
	1600 Hz	56 dB	49 dB
	Average	58 dB	52 dB
Reference test gain		50 dB	44 dB
Frequency range		100-7500 Hz	100-7200 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
Total harmonic distortion	500 Hz	2.5 %	<2 %
(Input 70 dB SPL)	800 Hz	<2 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level (A)	Omni	22 dB SPL	16 dB SPL
	Dir	30 dB SPL	25 dB SPL
Battery consumption	Quiescent	1.0 mA	1.0 mA
	Typical	1.1 mA	1.3 mA

Battery life, calculated, hours*	130
Size 312 (IEC PR41)	
IRIL (IEC 60118-13-2011)	800/1400/2000 MHz: 46/28/23 dB SPL

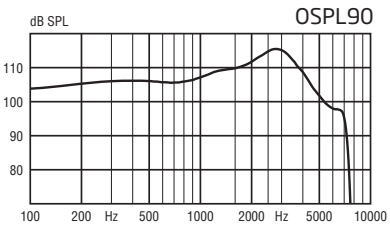
* Based on the standardized battery consumption measurement (IIC 60118-0.) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

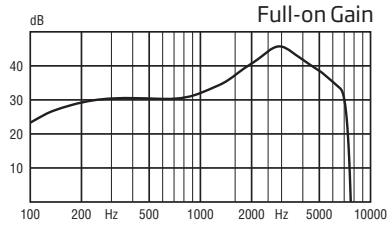
RITE 60
OTICON RIA2 PRO Ti

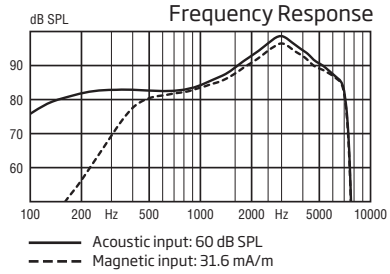
Scale 1:1

Technical information
Omnidirectional mode is used unless otherwise stated.

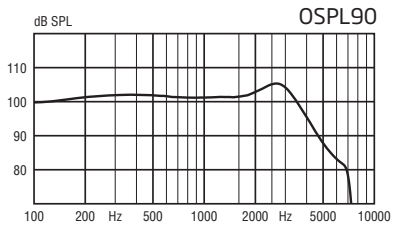
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

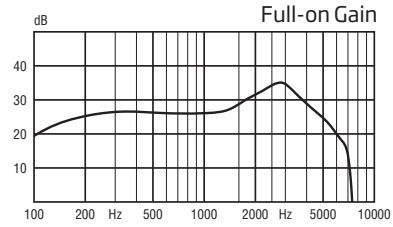


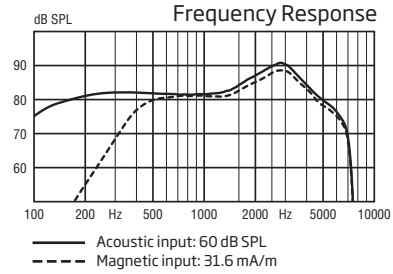




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







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OSPL90	Peak	115 dB SPL	105 dB SPL
	1600 Hz	110 dB SPL	101 dB SPL
	Average	108 dB SPL	103 dB SPL
Full-on gain	Peak	46 dB	35 dB
	1600 Hz	37 dB	29 dB
	Average	34 dB	30 dB
Reference test gain		30 dB	26 dB
Frequency range		100-7200 Hz	100-7000 Hz
Telecoil output (1600 Hz)	1 mA/m field	65 dB SPL	-
	10 mA/m field	85 dB SPL	-
	SPLITS L/R	-	82/82 dB SPL
Total harmonic distortion	500 Hz	<2 %	<2 %
(Input 70 dB SPL)	800 Hz	<2 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level (A)	Omni	21 dB SPL	16 dB SPL
	Dir	29 dB SPL	24 dB SPL
Battery consumption	Quiescent	1.0 mA	1.0 mA
	Typical	1.1 mA	1.3 mA

Battery life, calculated, hours*	130
Size 312 (IEC PR41)	
IRIL (IEC 60118-13-2011)	800/1400/2000 MHz: 27/46/51 dB SPL

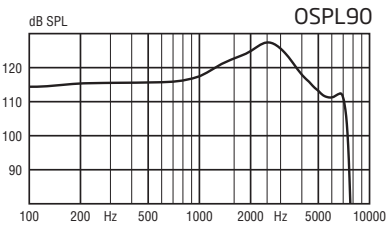
* Based on the standardized battery consumption measurement (IIC 60118-0.) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

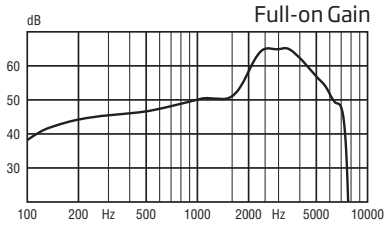
RITE 85
OTICON RIA2 PRO Ti

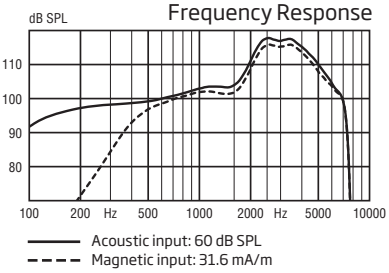
Scale 1:1

Technical information
Omnidirectional mode is used unless otherwise stated.

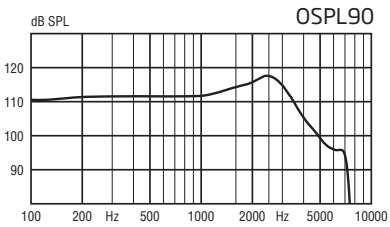
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

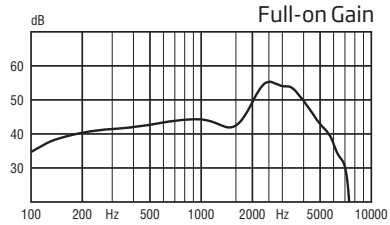


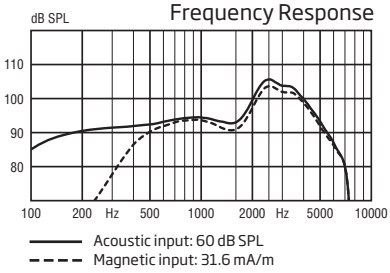




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







85

		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	127 dB SPL	118 dB SPL
	1600 Hz	123 dB SPL	114 dB SPL
	Average	119 dB SPL	114 dB SPL
Full-on gain	Peak	65 dB	55 dB
	1600 Hz	51 dB	43 dB
	Average	52 dB	47 dB
Reference test gain		44 dB	38 dB
Frequency range		100-7500 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	-	95/95 dB SPL
Total harmonic distortion	500 Hz	<2 %	<2 %
(Input 70 dB SPL)	800 Hz	2.4 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level (A)	Omni	25 dB SPL	18 dB SPL
	Dir	33 dB SPL	25 dB SPL
Battery consumption	Quiescent	1.0 mA	1.0 mA
	Typical	1.1 mA	1.2 mA

Battery life, calculated, hours*	130
Size 312 (IEC PR41)	
IRIL (IEC 60118-13-2011)	800/1400/2000 MHz: 19/41/36 dB SPL

* Based on the standardized battery consumption measurement (IIC 60118-0.) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

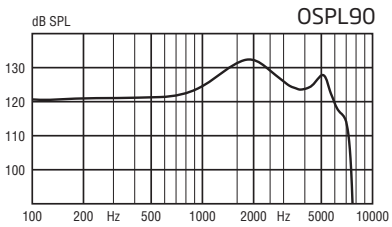
RITE 100
OTICON RIA2 PRO Ti

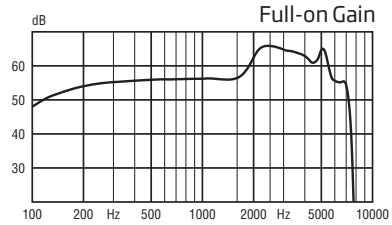
Scale 1:1

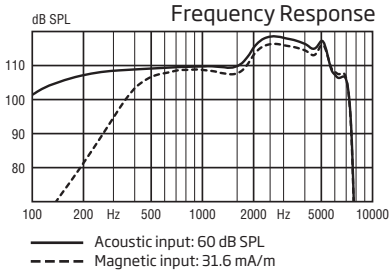
Technical information
Omnidirectional mode is used unless otherwise stated.

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.

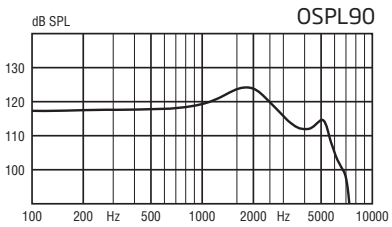
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

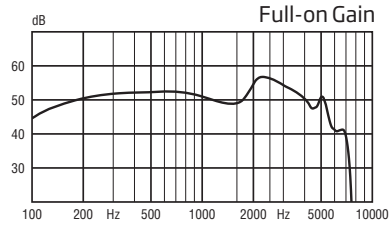


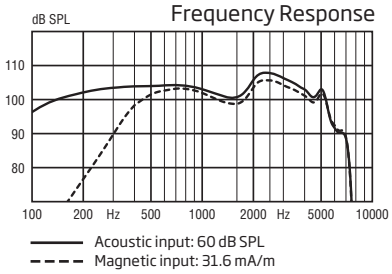




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







100

		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	132 dB SPL	124 dB SPL
	1600 Hz	131 dB SPL	124 dB SPL
	Average	126 dB SPL	121 dB SPL
Full-on gain	Peak	66 dB	57 dB
	1600 Hz	56 dB	49 dB
	Average	58 dB	52 dB
Reference test gain		50 dB	44 dB
Frequency range		100-7500 Hz	100-7200 Hz
Telecoil output (1600 Hz)	1 mA/m field	85 dB SPL	-
	10 mA/m field	105 dB SPL	-
	SPLITS L/R	-	101/101 dB SPL
Total harmonic distortion	500 Hz	2.5 %	<2 %
(Input 70 dB SPL)	800 Hz	<2 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level (A)	Omni	22 dB SPL	16 dB SPL
	Dir	30 dB SPL	25 dB SPL
Battery consumption	Quiescent	1.0 mA	1.0 mA
	Typical	1.1 mA	1.3 mA

Battery life, calculated, hours*	130
Size 312 (IEC PR41)	
IRIL (IEC 60118-13-2011)	800/1400/2000 MHz: <17/49/39 dB SPL

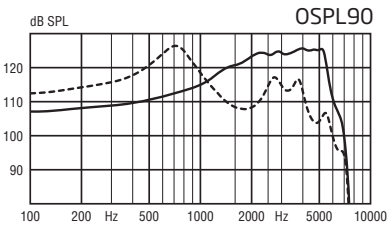
* Based on the standardised battery consumption measurement (IIC 60118-0.) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

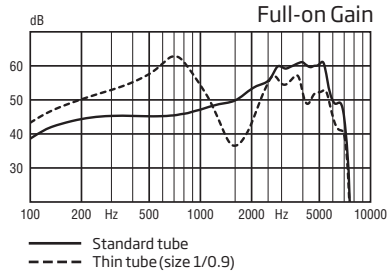
BTE13 85
OTICON RIA2 PRO Ti

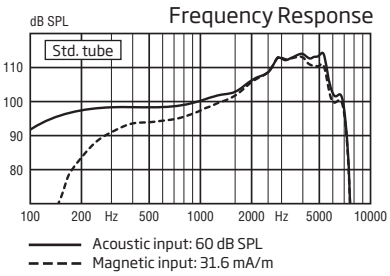
Scale 1:1

Technical information
Omnidirectional mode is used unless otherwise stated.

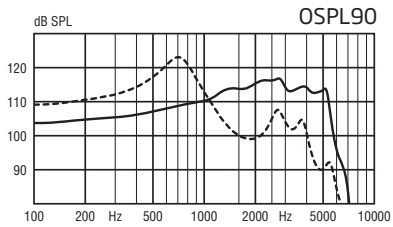
EAR SIMULATOR
Measured according to
IEC 60118-0 (1983) and 60711 (1981)
and DIN 45605.

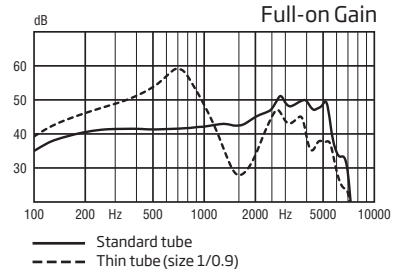


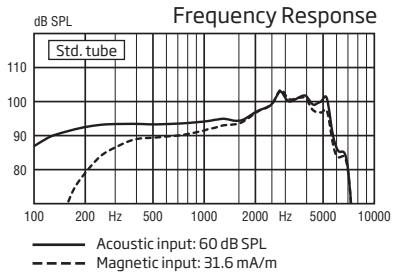




2CC COUPLER
Measured according to
ANSI S3.22 (2003) and S3.7 (1995),
IEC 60118-7 (2005) and IEC 60318-5 (2006).







85

		EAR SIMULATOR	2CC COUPLER
OSPL90	Peak	126 (126*) dB SPL	117 (123*) dB SPL
	1600 Hz	121 (108*) dB SPL	114 (100*) dB SPL
	Average	116 (116*) dB SPL	113 (106*) dB SPL
Full-on gain	Peak	61 (63*) dB	51 (59*) dB
	1600 Hz	50 (36*) dB	43 (28*) dB
	Average	49 (52*) dB	44 (41*) dB
Reference test gain		43 dB	36 dB
Frequency range		100-7200 Hz	100-7000 Hz
Telecoil output (1600 Hz)	1 mA/m field	79 dB SPL	-
	10 mA/m field	99 dB SPL	-
	SPLITS L/R	-	94/94 dB SPL
Total harmonic distortion	500 Hz	<2 %	<2 %
(Input 70 dB SPL)	800 Hz	<2 %	<2 %
	1600 Hz	<2 %	<2 %
Equivalent input noise level (A)	Omni	23 dB SPL	18 dB SPL
	Dir	32 dB SPL	27 dB SPL
Battery consumption	Quiescent	1.1 mA	1.1 mA
	Typical	1.1 mA	1.1 mA
Battery life, calculated, hours**		240	
Size 13 (IEC PR48)			
IRIL (IEC 60118-13-2011)		800/1400/2000 MHz: 24/48/45 dB SPL	

* For instruments fitted with Corda miniFit
** Based on the standardized battery consumption measurement (IIC 60118-0.) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

NOTES

NOTES

NOTES

People First

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

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