

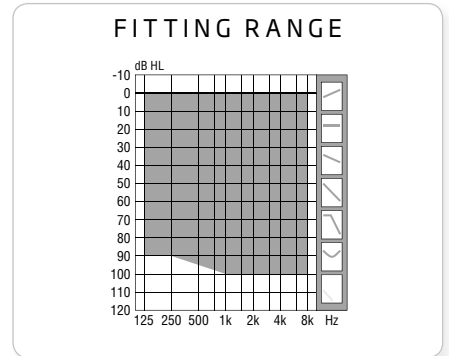
PRODUCT INFORMATION  
**OTICON NERA PRO**  
**OTICON NERA**

oticon | **Nera**

*Oticon Nera is built on the new Inium platform and is our best performing hearing solution in the advanced category. The audiology in Nera provides its users advanced listening performance in several situations and allows to factoring in individual listening preferences and needs of each client.*

*The Nera family styles range from compact in-the-ear styles to a broad palette of behind-the-ear styles. The RITE instruments use Oticon's next generation miniFit receivers, miniature custom moulds and soft domes.*

*Nera can be fitted to users with mild to severe-to-profound hearing losses.*



**Spatial Sound Advanced**

In a binaural fitting, Spatial Sound Advanced enables users to better organise the environment around them.

Due to broad bandwidth, flat frequency response and real-time binaural processing, Spatial Sound Advanced helps to convey more of the natural characteristics of a physical environment and the origin of the sounds within it.

**YouMatic Advanced**

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

YouMatic Advanced controls the sound processing in Nera across multiple environments by adjusting the response, directionality, noise management, transient management and compression.

**Inium feedback shield**

Feedback shield is an effective feedback protection system implemented on the new Oticon Inium platform. Feedback shield is a hybrid system combining two technologies to both prevent and suppress feedback without superimposing artifacts to the signal quality or sacrificing audibility.

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

**Family Features**

- Spatial Sound Advanced
- YouMatic Advanced
- Binaural Processing
- Binaural Synchronisation
- Binaural PB Coordination
- Fitting Bandwidth 8 kHz
- Inium feedback shield
- Free Focus Advanced
- Artificial Intelligence Advanced [+]
- Learning
- Memory
- T-coil
- AutoPhone Program
- Power Bass (streaming)
- Music Widening (streaming)
- TriState Noise Management
- Transient Management
- Multi-band Adaptive Directionality
- NAL-NL1, NAL-NL2 and DSL v5.0a m[i/o]
- Flexible miniFit Receiver system
- ConnectLine enabled
- DAI input and FM option
- In-situ audiometry (Genie)



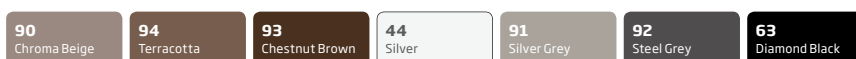
## PRODUCT OVERVIEW

MODEL FEATURES	Oticon Nera Pro	Oticon Nera
Fitting formulas	NAL, DSL	NAL, DSL
Spatial Sound	Advanced	No
YouMatic	Advanced	Advanced
Binaural Processing (compression)	Yes	No
Binaural Synchronisation (automatics)	Yes	Yes
Binaural Coordination (PB operations)	Yes	Yes
Transient Management	Yes	Yes
Fitting Bandwidth*	8 kHz	8 kHz
Free Focus	Advanced	Advanced
Inium feedback shield	Yes	Yes
Artificial Intelligence	Advanced [+]	Advanced [+]
Power Bass	Yes	Yes
Music Widening	Yes	Yes
Learning	Yes	Yes
Fitting Bands	8	6
Frequency channels	16	16

\*) Bandwidth accessible for gain adjustments during fitting

### COLOUR SELECTION

#### RITE & BTE STYLES



#### CUSTOM STYLES



#### POWER FLEX MOULDS



## PRODUCT OVERVIEW

### FITTING

Oticon Nera instruments are programmed using the Genie 2013.2 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).

#### 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 available with CIC instruments*).

### GENERAL INFO RITE/BTE STYLES

Tamper resistant battery drawer	Available in 7 colours for all BTE and RITE styles.
DAI adaptor	AP900 (available for BTE13 and RITE styles).
Dedicated FM receiver	Amigo R12 (available for BTE13 and RITE styles).
FM adaptor	FM9 (available for BTE13 styles) Compatible with Amigo R1, R2 and other universal receivers (not recommended for instruments using 312 batteries).

OSPL90 (peak)	Ear simulator 2cc coupler
Full-on gain (peak)	Ear simulator 2cc coupler

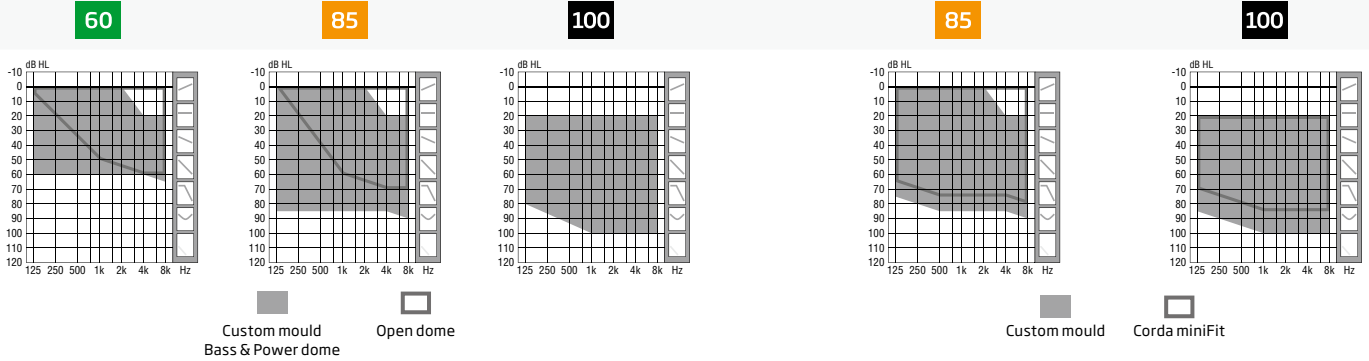
Battery size
Fitting levels
Battery life (h)*
Wireless
Directional
Program control
Volume control
Telecoil
Autophone
Connectline compatible
FM compatible
Programming interface, cable #3

### RITE STYLES

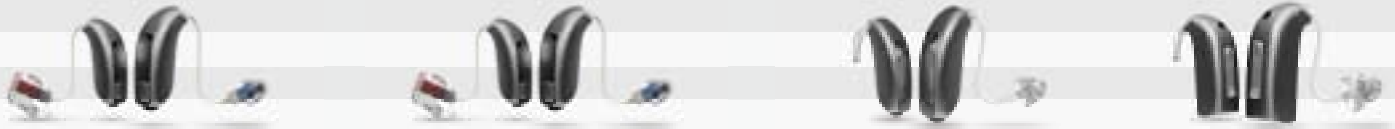
Receiver unit	Must use miniFit receivers. Select between three receiver types with different output performance, labeled according to fitting capabilities; 60, 85 and 100. 60 and 85 available in lengths from size 0-5. 100 available in lengths from size 1-5.	Ear Pieces	Must use miniFit ear pieces. Open domes in size 6, 8 and 10 mm. Bass domes, single vent in size 6, 8, 10 and 12 mm. Bass domes, double vent in size 6, 8, 10 and 12 mm. Power domes in size 6, 8, 10 and 12 mm. Custom ear pieces are available as LiteTip and Micro mould (requires taking an impression).
Receiver wire	Separate wires connect Power Flex moulds (100) to RITE instruments, available in lengths from size 1-5.		
Receiver connector to instrument	Type C1 (marked on packaging).	Wax protection	'ProWax miniFit' in all miniFit receivers. 'ProWax' in Power Flex mould, LiteTip and Micro mould.

## RITE STYLES

## BTE STYLES



115 dB SPL	127 dB SPL	132 dB SPL	131 dB SPL	126 dB SPL	135 dB SPL
105 dB SPL	118 dB SPL	124 dB SPL	121 dB SPL	117 dB SPL	126 dB SPL
46 dB	65 dB	66 dB	62 dB	61 dB	68 dB
35 dB	55 dB	57 dB	53 dB	51 dB	60 dB



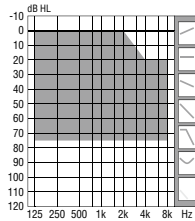
MINI RITE	RITE	MINI BTE	BTE13
312	312	312	13
60 85 100	60 85 100	85	85 100
80-110	80-110	115-140	85-190
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
FlexConnect	Programming shoe	Cable #3 directly	Programming shoe

## BTE STYLES

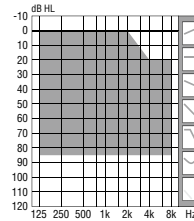
Sound hook	Interchangeable standard and child hook	Ear pieces	Must use miniFit ear pieces.
Damper	Damping plug available for BTE13 85		Open domes in size 6, 8 and 10 mm.
Thin tubes	Corda miniFit (0,9 mm tubes) for miniBTE 85 and BTE13 85. Corda miniFit Power (1.3 mm tubes) for BTE13 100. Thin tubes are available in lengths from size 0-4. Style specific adapters must be used when connecting thin tubes.		Bass domes, single vent in size 6, 8, 10 and 12 mm. Bass domes, double vent in size 6, 8, 10 and 12 mm. Power domes in size 6, 8, 10 and 12 mm. Custom ear pieces are available as LiteTip and Micro Mould (requires taking an impression).
		Wax Protection	'ProWax' in LiteTip and Micro Mould.

## CUSTOM STYLES

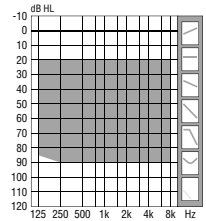
75



85



90



OSPL90 (peak)	Ear simulator	119 dB SPL	126 dB SPL	130 dB SPL
	2cc coupler	109 dB SPL	117 dB SPL	121 dB SPL
Full-on gain (peak)	Ear simulator	49 dB	59 dB	64 dB
	2cc coupler	38 dB	50 dB	54 dB

CIC

ITC

ITE - Half Shell

ITE - Full Shell

	10	312	13
Battery size	10	312	13
Fitting levels	75 85	75 85 90	75 85 90
Battery life (h)*	100	95-135	175-250
Wireless		<input type="radio"/>	<input type="radio"/>
Directional		<input type="radio"/>	<input checked="" type="radio"/>
Program control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Volume control		<input type="radio"/>	<input type="radio"/>
Telecoil		<input type="radio"/>	<input type="radio"/>
Autophone		<input type="radio"/>	<input type="radio"/>
Connectline compatible		<input type="radio"/>	<input type="radio"/>
FM compatible			
Programming interface, cable #3	FlexConnect Mini	FlexConnect Mini	FlexConnect Mini

## CUSTOM STYLES

Wax protection	Receiver in all instruments.	ProWax
	Microphone in 10 battery instruments.	T-Cap
	Microphone in 312 and 13 battery instruments.	O-Cap

Instruments with 312 battery may be produced with horizontal battery drawer depending on ear geometry.

- Default
- Option

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

## MINI RITE 60 OTICON NERA PRO OTICON NERA

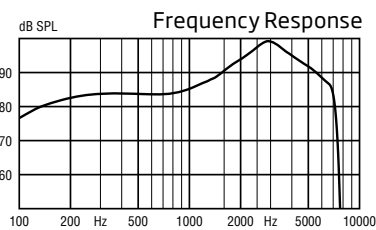
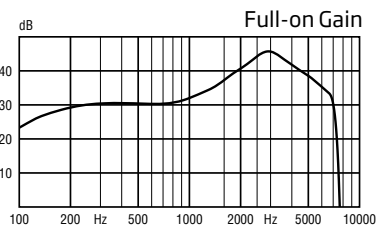
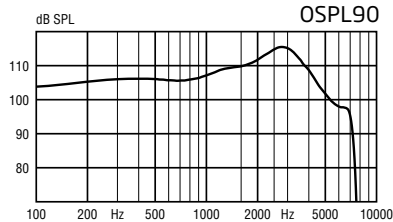


Scale 1:1

**Technical information**  
Omnidirectional mode is used unless otherwise stated.

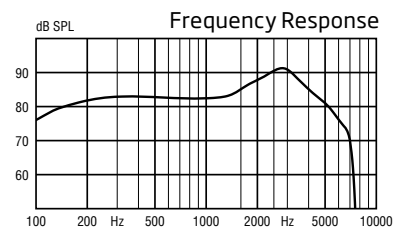
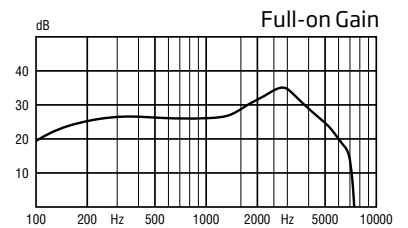
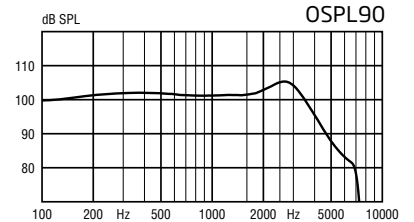
### EAR SIMULATOR

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



### ZCC COUPLER

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



60

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 (Input 70 dB SPL)	500 Hz	<2%	<2%
	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 standardised battery consumption measurement (IEC 60118-0). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

## MINI RITE 85 OTICON NERA PRO OTICON NERA

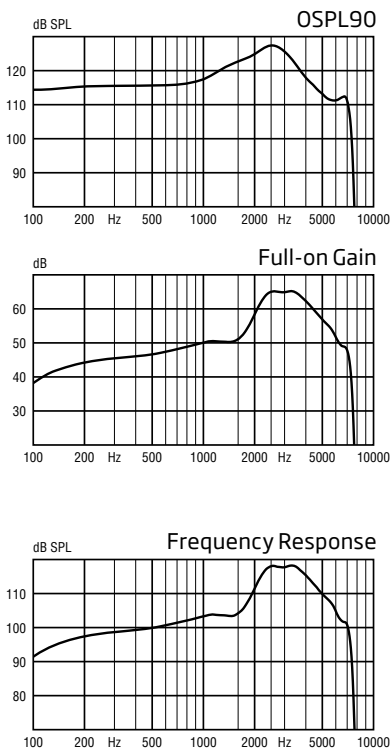


Scale 1:1

**Technical information**  
Omnidirectional mode is used unless otherwise stated.

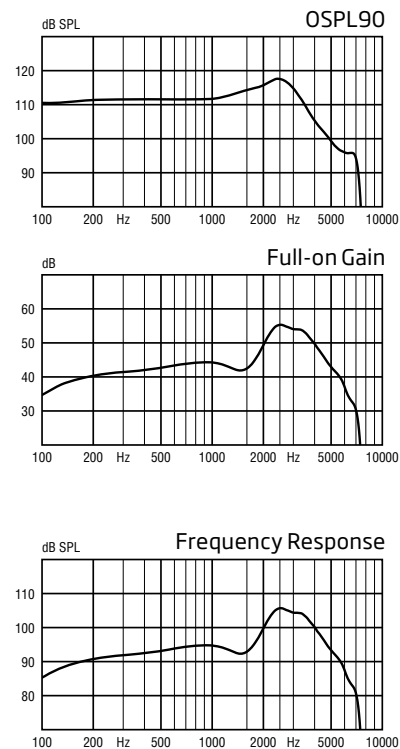
### EAR SIMULATOR

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

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 (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	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 standardised battery consumption measurement (IEC 60118-0). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

## MINI RITE 100 OTICON NERA PRO OTICON NERA



Scale 1:1

### Technical information

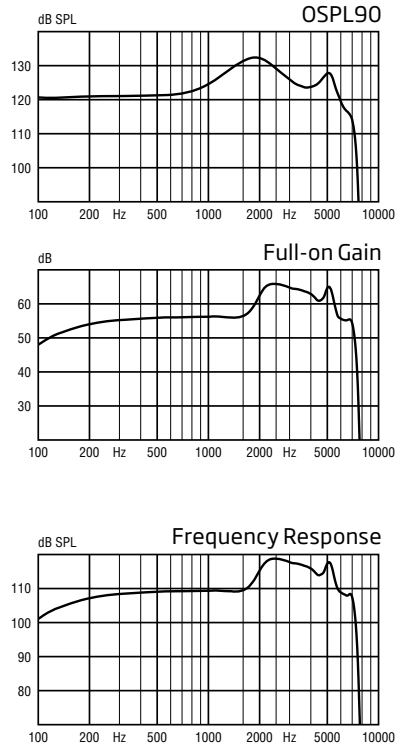
Omnidirectional mode is used unless otherwise stated.

#### 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.

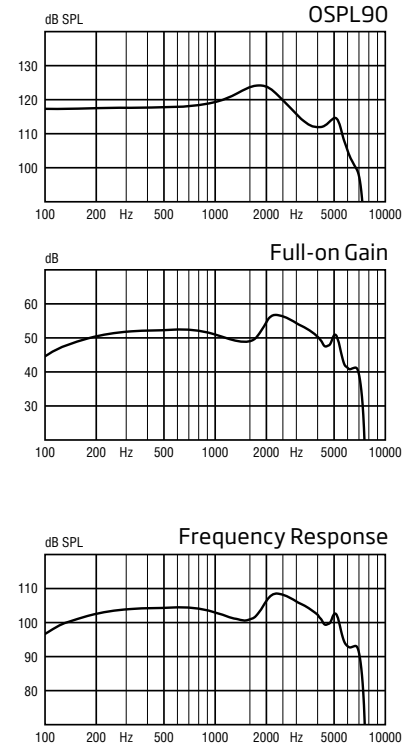
### EAR SIMULATOR

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

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



## RITE 60 OTICON NERA PRO OTICON NERA

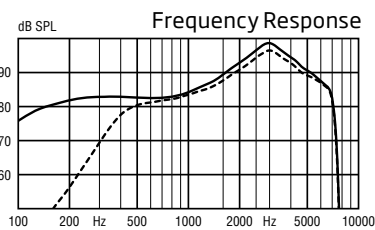
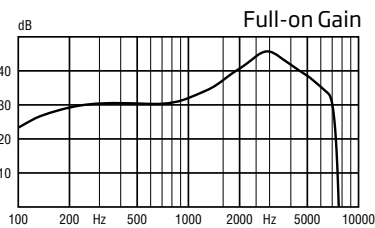
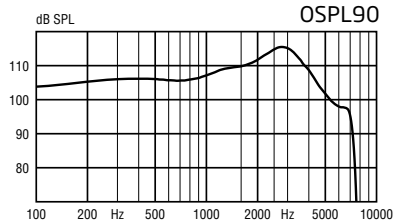


Scale 1:1

**Technical information**  
Omnidirectional mode is used unless otherwise stated.

### EAR SIMULATOR

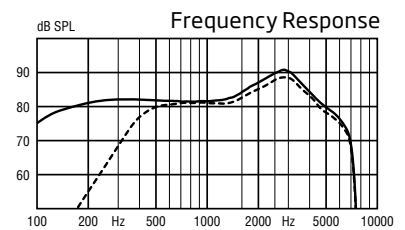
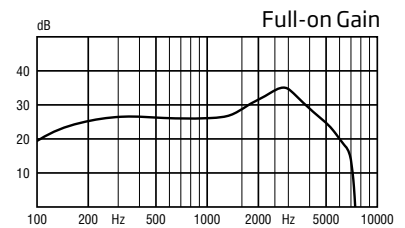
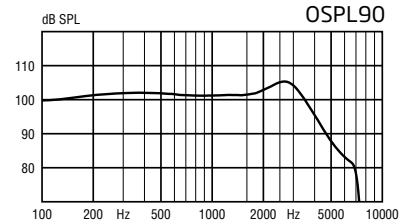
Measured according to IEC 60118-0 (1983) and 60711 (1981) and DIN 45605.



— 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

60

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 (Input 70 dB SPL)	500 Hz	<2%	<2%
	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 standardised battery consumption measurement (IEC 60118-0). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

## RITE 85 OTICON NERA PRO OTICON NERA



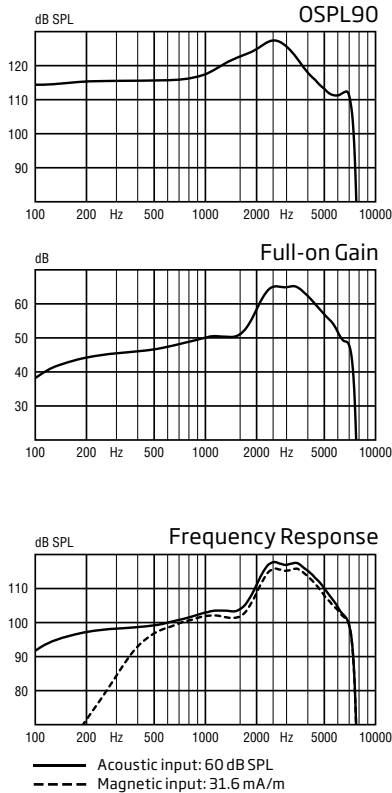
Scale 1:1

### Technical information

Omnidirectional mode is used unless otherwise stated.

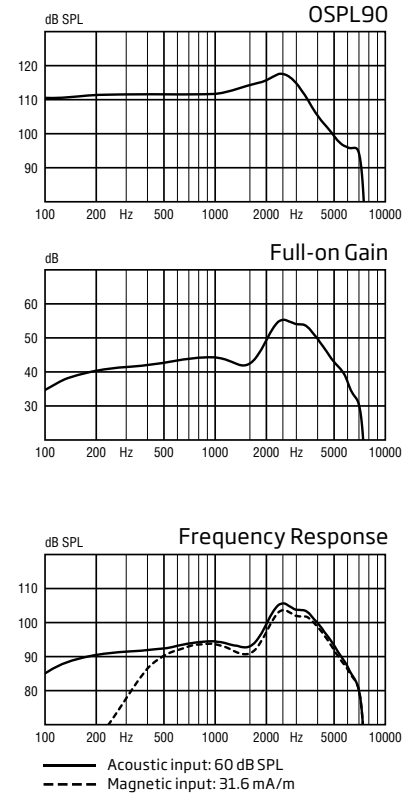
### EAR SIMULATOR

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

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 (Input 70 dB SPL)	500 Hz	<2 %	<2 %
	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 standardised battery consumption measurement (IEC 60118-0). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

## RITE 100 OTICON NERA PRO OTICON NERA



Scale 1:1

### Technical information

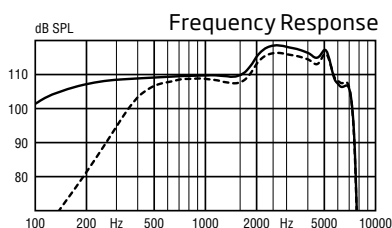
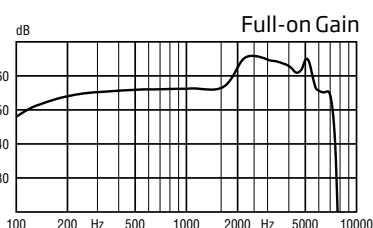
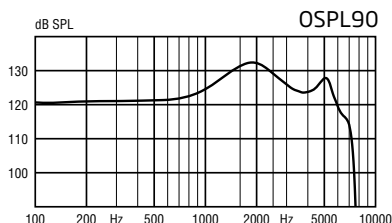
Omnidirectional mode is used unless otherwise stated.

### 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

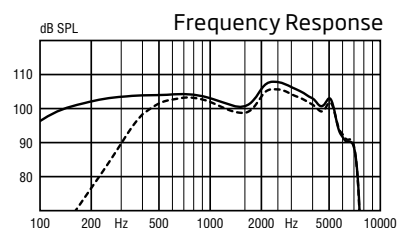
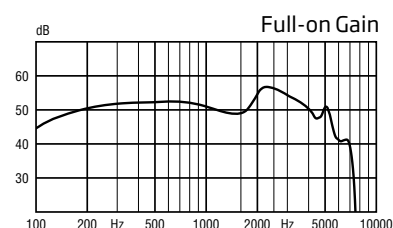
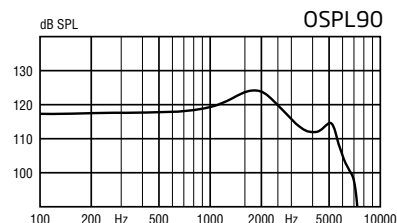
Measured according to IEC 60118-0 (1983) and 60711 (1981) and DIN 45605.



— 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

100

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 (Input 70 dB SPL)	500 Hz	2.5 %	<2 %
	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 (IEC 60118-0). The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

## MINI BTE 85 OTICON NERA PRO OTICON NERA

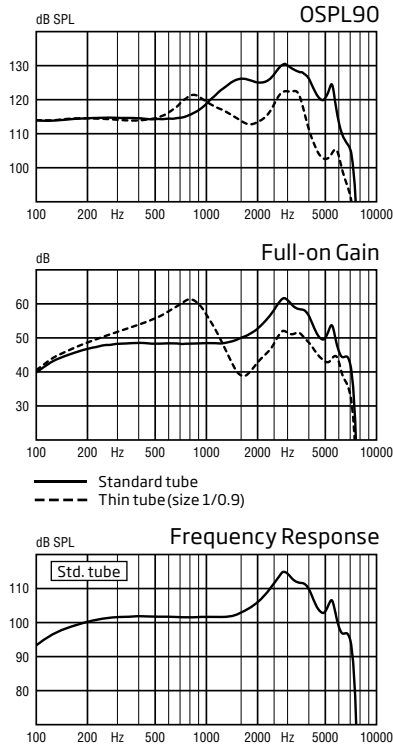


Scale 1:1

**Technical information**  
Omnidirectional mode is used unless otherwise stated.

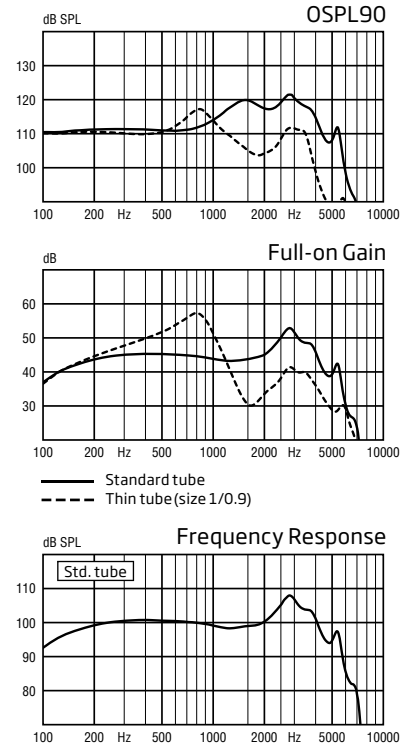
### EAR SIMULATOR

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

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
Reference test gain		43 dB	41 dB
Frequency range		100-7200 Hz	100-6200 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS L/R	-	-
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2%	<2%
	800 Hz	<2%	<2%
	1600 Hz	<2%	<2%
Equivalent input noise level (A)	Omni	22 dB SPL	17 dB SPL
	Dir	29 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: <18/24/36 dB SPL

(\*) For instruments fitted with Corda miniFit

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

## BTE13 85 OTICON NERA PRO OTICON NERA

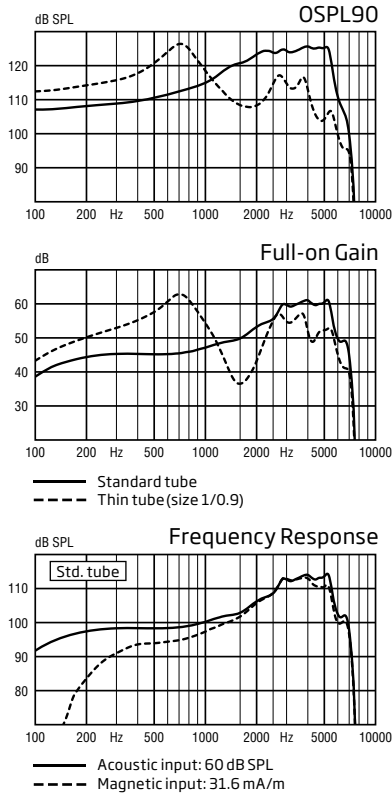


Scale 1:1

**Technical information**  
Omnidirectional mode is used unless otherwise stated.

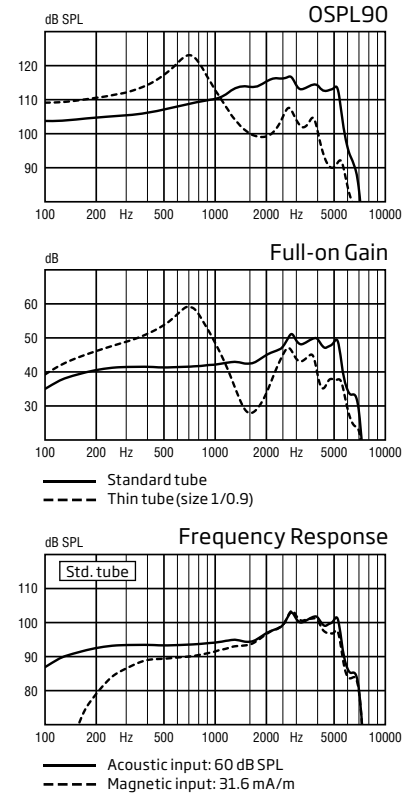
### EAR SIMULATOR

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

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 (Input 70 dB SPL)	500 Hz	<2%	<2%
	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 standardised battery consumption measurement (IEC 60118-0.) The actual battery life depends on battery quality, use pattern, active feature set, hearing loss and sound environment

## BTE13 100

OTICON NERA PRO  
OTICON NERA



Scale 1:1

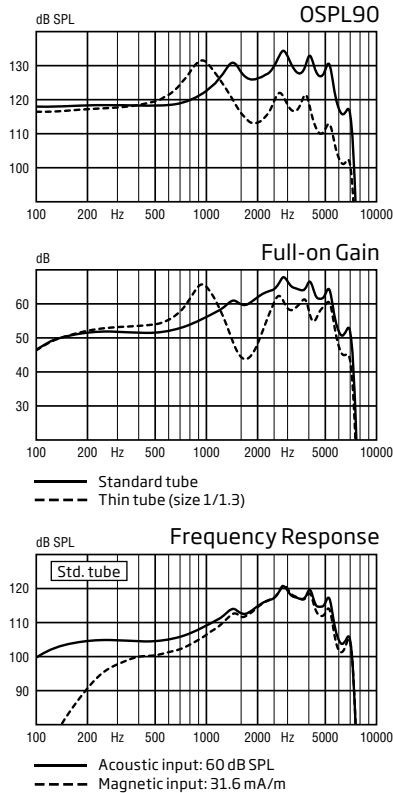
**Technical information**  
Omnidirectional mode is used unless otherwise stated.

**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.

100

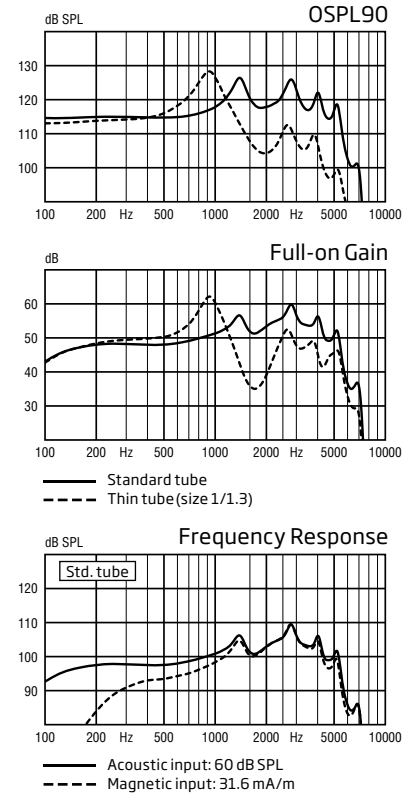
### EAR SIMULATOR

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	135 (132*) dB SPL	126 (128*) dB SPL
	1600 Hz	128 (116*) dB SPL	120 (108*) dB SPL
	Average	122 (121*) dB SPL	120 (115*) dB SPL
Full-on gain	Peak	68 (66*) dB	60 (62*) dB
	1600 Hz	60 (44*) dB	52 (36*) dB
	Average	57 (56*) dB	53 (49*) dB
Reference test gain		53 dB	43 dB
Frequency range		100-7200 Hz	100-6000 Hz
Telecoil output (1600 Hz)	1 mA/m field	89 dB SPL	-
	10 mA/m field	109 dB SPL	-
	SPLITS L/R	-	100/100 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	<2%	<2%
	800 Hz	<2%	<2%
	1600 Hz	<2%	<2%
Equivalent input noise level (A)	Omni	19 dB SPL	16 dB SPL
	Dir	29 dB SPL	26 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 Power

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

## CUSTOM 75 OTICON NERA PRO OTICON NERA



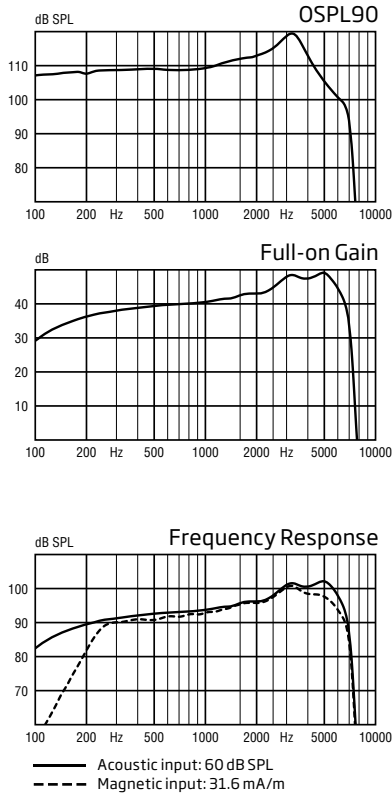
Scale 1:1

### Technical information

All measurements are made on instruments with ProWax and T-Cap or O-Cap protection. Omnidirectional mode is used unless otherwise stated.

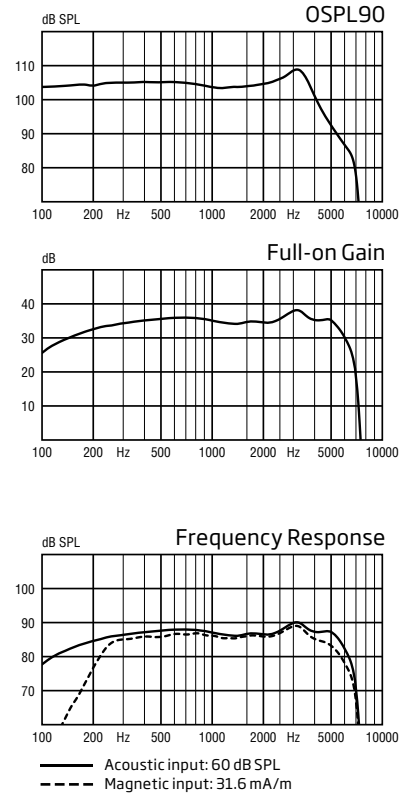
### EAR SIMULATOR

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).



75

OSPL90	Peak	119 dB SPL	109 dB SPL
	1600 Hz	112 dB SPL	104 dB SPL
	Average	110 dB SPL	105 dB SPL
Full-on gain	Peak	49 dB	38 dB
	1600 Hz	43 dB	35 dB
	Average	41 dB	35 dB
Reference test gain		36 dB	27 dB
Frequency range		100-7200 Hz	100-7100 Hz
Telecoil output (1600 Hz)	1 mA/m field	73 dB SPL	-
	10 mA/m field	93 dB SPL	-
	SPLITS L/R	-	82/82 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	2.0 %	<2 %
	800 Hz	2.0 %	<2 %
	1600 Hz	3.0 %	2.0 %
Equivalent input noise level (A)	Omni	22 dB SPL	20 dB SPL
	Dir	31 dB SPL	29 dB SPL
Battery consumption	Quiescent	1.0 mA	1.0 mA
	Typical	1.0 mA	1.0 mA

Battery life, calculated, hours\*

135/140/260

Size: 10 (IEC PR70) / 312 (IEC PR41) / 13 (IEC PR48)

IRIL (IEC 60118-13-2011)

800/1400/2000 MHz: 28/44/37 dB SPL

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

## CUSTOM 85 OTICON NERA PRO OTICON NERA



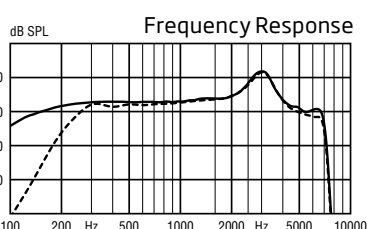
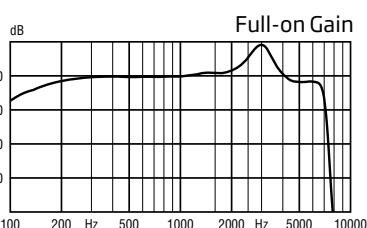
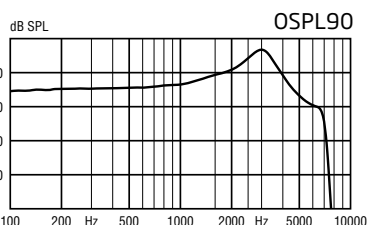
Scale 1:1

### Technical information

All measurements are made on instruments with ProWax and T-Cap or O-Cap protection. Omnidirectional mode is used unless otherwise stated.

### EAR SIMULATOR

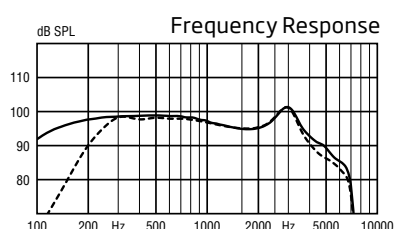
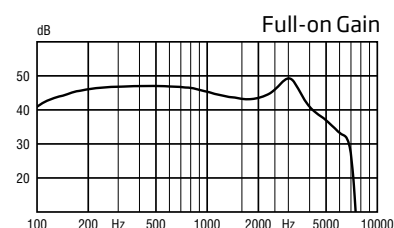
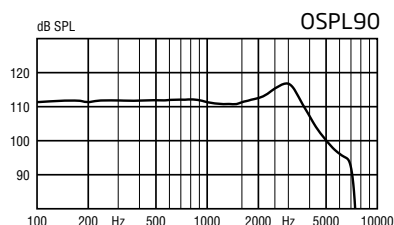
Measured according to IEC 60118-0 (1983) and 60711 (1981) and DIN 45605.



— 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

85

OSPL90	Peak	126 dB SPL	117 dB SPL
	1600 Hz	119 dB SPL	111 dB SPL
	Average	117 dB SPL	113 dB SPL
Full-on gain	Peak	59 dB	50 dB
	1600 Hz	51 dB	43 dB
	Average	50 dB	45 dB
Reference test gain		44 dB	37 dB
Frequency range		100-7260 Hz	100-7050 Hz
Telecoil output (1600 Hz)	1 mA/m field	81 dB SPL	-
	10 mA/m field	101 dB SPL	-
	SPLITS L / R	-	90/90 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	2.0 %	<2 %
	800 Hz	2.0 %	<2 %
	1600 Hz	3.0 %	2.0 %
Equivalent input noise level (A)	Omni	22 dB SPL	19 dB SPL
	Dir	32 dB SPL	29 dB SPL
Battery consumption	Quiescent	1.0 mA	1.0 mA
	Typical	1.0 mA	1.0 mA

Battery life, calculated, hours\*

125/140/260

Size: 10 (IEC PR70) / 312 (IEC PR41) / 13 (IEC PR48)

IRIL (IEC 60118-13-2011)

800/1400/2000 MHz: 21/39/<14 dB SPL

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



## CUSTOM 90

OTICON NERA PRO  
OTICON NERA



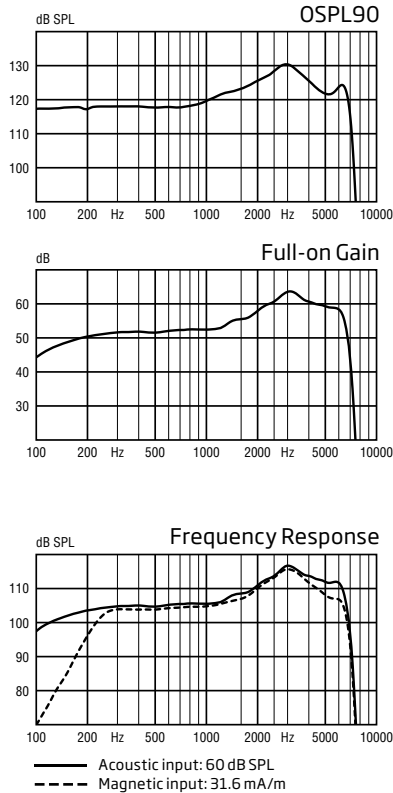
Scale 1:1

### Technical information

All measurements are made on instruments with ProWax and O-Cap protection. Omnidirectional mode is used unless otherwise stated.

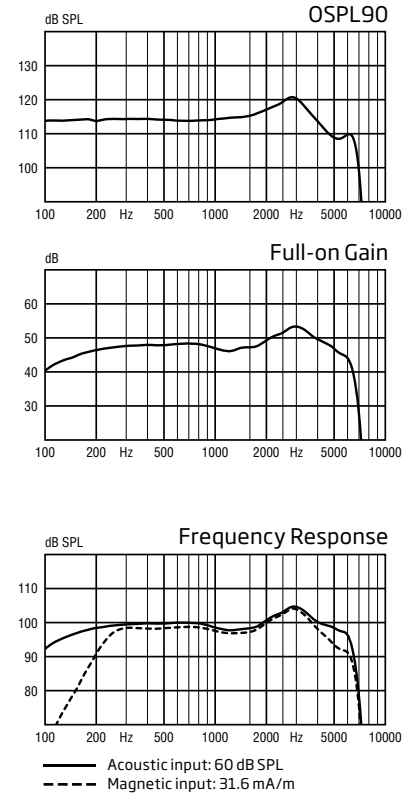
### EAR SIMULATOR

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).



90

OSPL90	Peak	130 dB SPL	121 dB SPL
	1600 Hz	123 dB SPL	115 dB SPL
	Average	121 dB SPL	116 dB SPL
Full-on gain	Peak	64 dB	54 dB
	1600 Hz	56 dB	47 dB
	Average	54 dB	49 dB
Reference test gain		48 dB	40 dB
Frequency range		100-7180 Hz	100-6980 Hz
Telecoil output (1600 Hz)	1 mA/m field	85 dB SPL	-
	10 mA/m field	105 dB SPL	-
	SPLITS L/R	-	93/93 dB SPL
Total harmonic distortion	500 Hz	<2 %	<2 %
(Input 70 dB SPL)	800 Hz	<2 %	<2 %
	1600 Hz	3.0 %	2.0 %
Equivalent input noise level (A)	Omni	23 dB SPL	19 dB SPL
	Dir	34 dB SPL	29 dB SPL
Battery consumption	Quiescent	1.0 mA	1.0 mA
	Typical	1.0 mA	1.0 mA

Battery life, calculated, hours\*

140/260

Size: 312 (IEC PR41) / 13 (IEC PR48)

IRIL (IEC 60118-13-2011)

800/1400/2000 MHz: 26/55/41 dB SPL

\* Based on the standardised 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