



*Oticon Epoq is a complete family of premium instruments suitable for all types of hearing losses within mild to severe-to-profound.*

*Using high speed wireless technology, Epoq instruments communicate binaurally to produce a unique spatial dimension and listening authenticity to the client. Two Epoq's feature real-time correlation of sound processing parameters, intelligent synchronisation of advanced digital features and coordination of push button commands. Epoq comes in three versions, named XW, W and V, offering different advanced features for gradual levels of user benefits.*

### KEY FEATURES

#### Binaural Processing

Binaurally fitted instruments work as one central processing unit, helping to maintain a proper interpretation of the location of sounds. The spatial awareness is essential for the brain to segregate sounds, and by helping the brain to focus on the important sounds, a natural voice-to-noise ratio can be achieved.

#### True Dynamics

Uniquely, the instruments are providing a mixture of two parallel compression systems – a slow 15 channel and a fast 4 channel system – to preserve listening quality at all sound levels, thereby minimising fatigue and maximising audibility and speech understanding.

#### Binaural Synchronisation

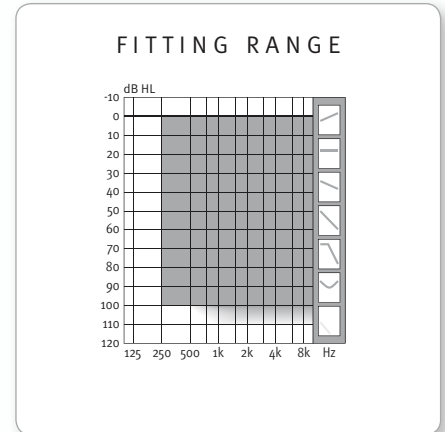
The wireless binaural link does intelligent and fast synchronisation of the compression, automatics and adaptive digital features, such as noise reduction and directionality, to optimise the comfort and preserve speech intelligibility.

#### Contemporary Design

All BTE and RITE designs are small and discreet in size, combining robustness, beautiful cosmetics and remarkable user-friendliness and ergonomics. All 'behind-the-ear' styles are offered in a broad colour palette.

#### Extended Bandwidth

A nuanced sound picture and premium sound quality is achieved through a bandwidth of up to 10 kHz which maintains vital sound cues from the environment.



#### Standard Features

- Binaural Processing
- True Dynamics
- Binaural Synchronisation
- Binaural PB Coordination
- Extended Bandwidth 10 kHz
- Front Focus
- Life Learning/VC Learning
- My Voice
- Dynamic Feedback Cancellation 2 (DFC2)
- Binaural DFC
- Four user programs
- AutoPhone program
- Memory
- Battery Low warning
- Wind noise protection
- TriState Noise Management
- Multi-band Adaptive Directionality
- Voice Aligned Compression (VAC)
- NAL-NL1 and DSL v5.0a m[i/o]
- DAI input and FM option
- T-coil
- Streamer option
- nEARcom Cordless enabled



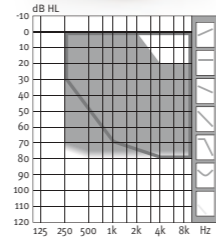
### FITTING

Epoq instruments are programmed using the Genie 2009.1 Fitting Software or higher compatible with NOAH 3 or higher. They can be programmed using either programming cables #3 or cordlessly using nEARcom.

**Fitting with cables**  
CIC/MIC FlexConnect  
ITC/ITE Programming Adaptor  
BTE/RITE Programming Shoe

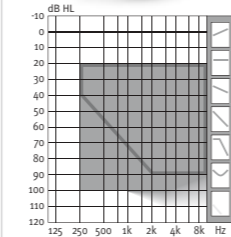
**Cordless fitting - nEARcom**  
nEARcom provides a cordless link between NOAHlink and one or two wireless enabled hearing instruments. In addition nEARcom provides a pass-through connection to accommodate programming cables and replaces the existing NOAHlink neck loop.

### RITE



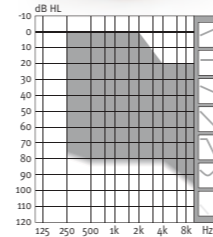
Micro Mould Dome

### RITE POWER

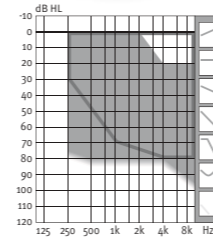


Power Mould Plus Dome

### BTE 312

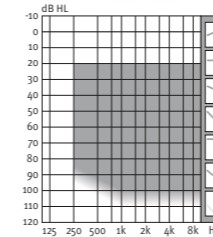


### BTE 13

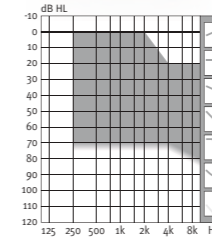


Earmould Corda<sup>2</sup>

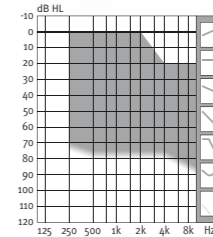
### BTE POWER



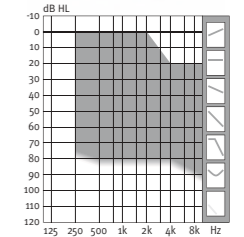
### CIC/MIC



### ITC



### ITE



OSPL <sub>90</sub> (peak)	Ear simulator 2cc coupler	119 dB SPL 108 dB SPL	132 dB SPL 124 dB SPL	125 dB SPL 115 dB SPL	126 dB SPL 118 dB SPL	134 dB SPL 127 dB SPL	119 dB SPL 109 dB SPL	123 dB SPL 113 dB SPL	123 dB SPL 113 dB SPL
Full-on gain (peak)	Ear simulator 2cc coupler	57 dB 46 dB	65 dB 55 dB	60 dB 50 dB	60 dB 51 dB	68 dB 61 dB	47 dB 37 dB	51 dB 41 dB	56 dB 46 dB
Programs		1-4	1-4	1-4	1-4	1-4	1	1-4	1-4
Ear Stream enabled		Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Cordless Fitting (nEARcom)		Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Multiband Adaptive Directionality		Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Telecoil		Yes	Yes	Yes	Yes	Yes	No	Optional	Optional
AutoPhone		Yes	Yes	Yes	Yes	Yes	No	Optional	Optional
FM compatible		Yes	Yes	Yes	Yes	Yes	No	No	No
Streamer		Optional	Optional	Optional	Optional	Optional	No	Optional	Optional
Volume control		Configurable	Configurable	Configurable	Configurable	Configurable	No	No	Optional
Binaural controls		Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Battery size		312	312	312	13	13	10	312	312
Battery life, typical		108 hours	100 hours	117 hours	220 hours	215 hours	115 hours	117 hours	117 hours

FEATURES	Epoq XW	Epoq W	Epoq V
Fitting formula	VAC	VAC	NAL/DSL
Bandwidth	10 kHz	10 kHz	8 kHz
Binaural Processing	Yes	No	No
Binaural Synchronisation	Yes	Yes	No
Binaural PB Coordination	Yes	Yes	Yes
Binaural DFC	Yes	No	No
True Dynamics	Yes	Yes	No
My Voice	Yes	No	No
Life Learning	Yes	Yes	VC only
Identities	5	5	3
Fitting bands	10	10	8

### RITE STYLES

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

### BTE and RITE STYLES

Tamper resistant battery drawer	Available in Black, White, Standard Line and Cool <sup>2</sup> colour ranges
Sound Hook	Interchangeable standard and paediatric hook (BTE 13 and BTE Power only)
Damper	Damping element for replacement (BTE's only)
Thin Tube Fitting	Corda <sup>2</sup> (BTE 13 only)
DAI Adaptor	AP 900
Dedicated FM Receiver	Amigo R12 <small>312: Only with blinking LED</small>
FM Adaptor	FM 9 <small>312: Compatible with Amigo R1 and R2 with blinking LED 13: Compatible with Amigo R1, R2 and other universal receivers</small>

### COLOUR SELECTION

<b>Black Line</b> RITE and BTE	Chroma Beige (80)	Espresso (83)	Steel Grey (85)	White Silver (84)
<b>White Line</b> RITE and BTE	Ice Blue (81)	Orchid (82)	Silver Grey (86)	Gold Dust (87)
<b>Standard Line</b> RITE and BTE	Chroma Beige (90)	Silver Grey (91)	Steel Grey (92)	Chestnut Brown (93)
<b>Cool<sup>2</sup></b> RITE and BTE	Blue (47)	Red (46)	Purple (45)	Silver (44)
<b>Skin</b> Custom instruments	Beige (01)	Light Brown (02)	Medium Brown (03)	Dark Brown (04)
<b>Power Mould</b> RITE Power	Pink (Po1)	Beige (Po2)	Medium Brown (Po3)	Dark Brown (Po4)
				Baby Pink (43)
				Baby Blue (42)

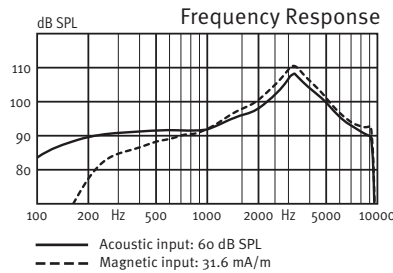
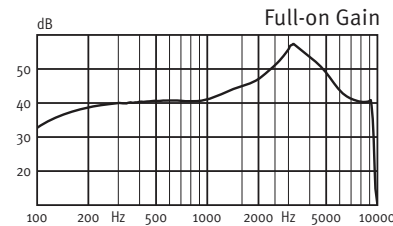
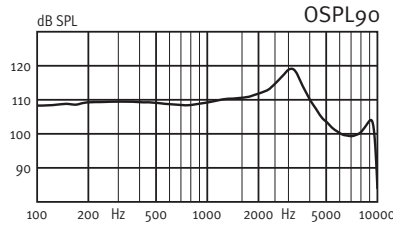


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**Technical Information**  
Omnidirectional mode is used unless otherwise stated.

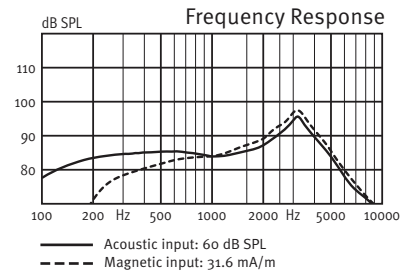
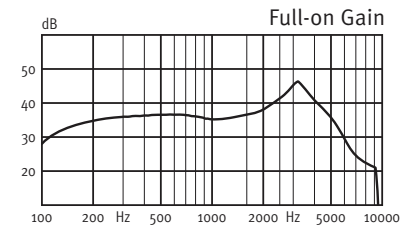
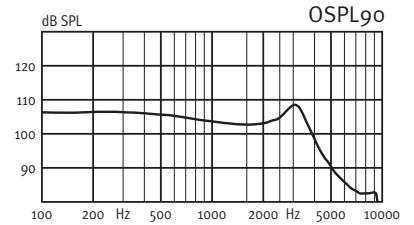
### EAR SIMULATOR

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



### 2 CC COUPLER

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



OSPL90	Peak	119 dB SPL	108 dB SPL
	1600 Hz	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		100-9500 Hz	100-9000 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 (Input 70 dB SPL)	500 Hz	0.3 %	0.1 %
	800 Hz	0.5 %	0.3 %
	1600 Hz	0.3 %	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

Estimated battery life (Size 312, IEC PR41)	Typical	108 hours
IRIL (IEC 60118-13)	GSM/DECT	-23/-12 dB SPL

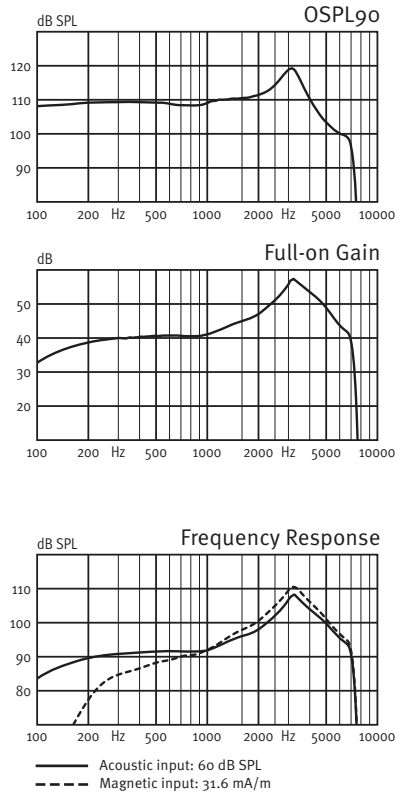


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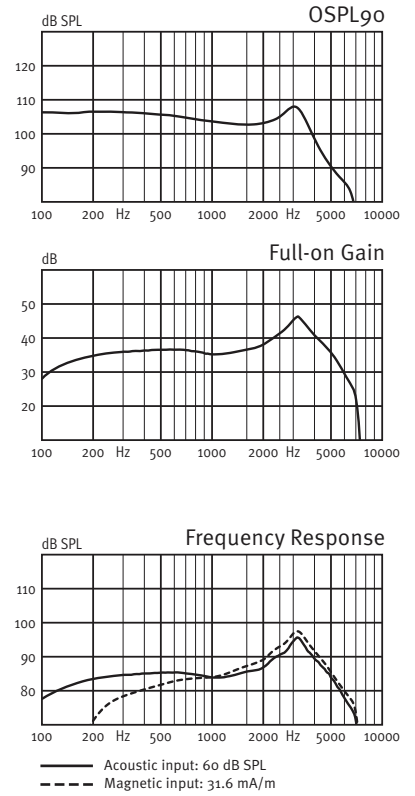
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## 2 CC COUPLER

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



OSPL90	Peak	119 dB SPL	108 dB SPL
	1600 Hz	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 (Input 70 dB SPL)	500 Hz	0.3 %	0.1 %
	800 Hz	0.5 %	0.3 %
	1600 Hz	0.5 %	0.4 %
Equivalent input noise level (A)	Omni	22 dB SPL	19 dB SPL
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Scale 1:1

### Technical Information

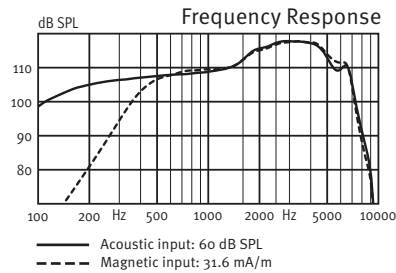
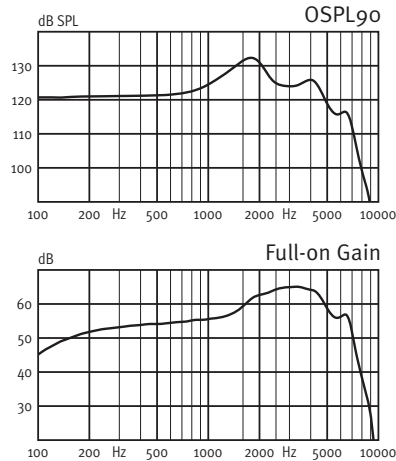
Omnidirectional mode is used unless otherwise stated.

#### 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.

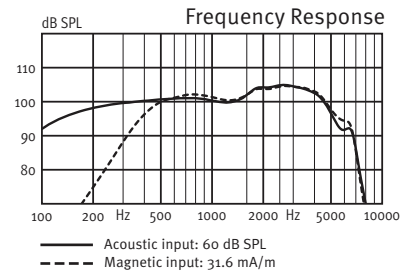
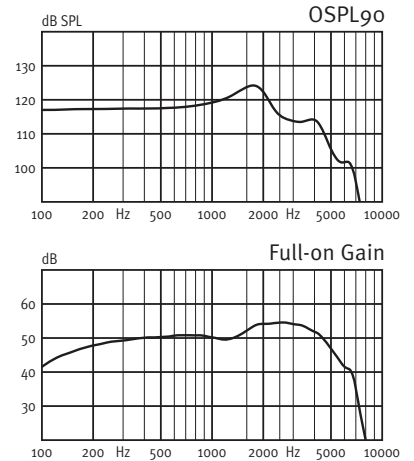
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### 2 CC COUPLER

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



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	-
Total harmonic distortion (Input 70 dB SPL)	SPLITS L/R	-	101/101 dB SPL
	500 Hz	2.0 %	1.0 %
	800 Hz	1.0 %	0.5 %
Equivalent input noise level (A)	1600 Hz	0.5 %	0.5 %
	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

Estimated battery life (Size 312, IEC PR41)	Typical	100 hours
IRIL (IEC 60118-13)	GSM/DECT	-13/-7 dB SPL



Scale 1:1

### Technical Information

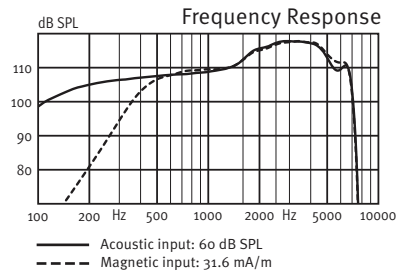
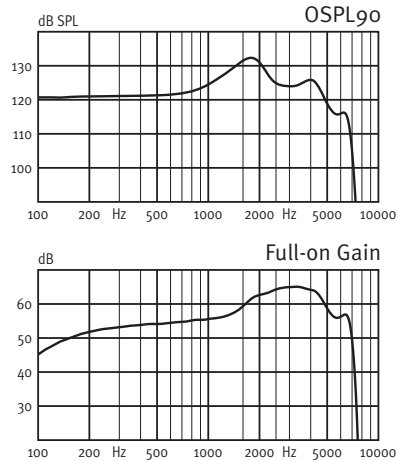
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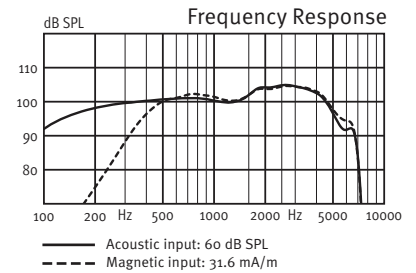
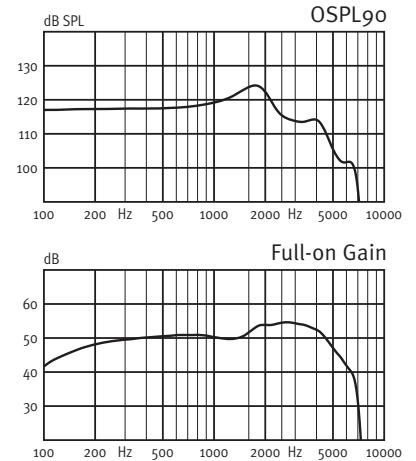
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	1600 Hz	131 dB SPL	124 dB SPL
	Average	125 dB SPL	119 dB SPL
Full-on gain	Peak	65 dB	55 dB
	1600 Hz	59 dB	52 dB
	Average	57 dB	52 dB
Frequency range		100-7500 Hz	100-7100 Hz
Telecoil output (1600 Hz)	1 mA/m field	89 dB SPL	-
	10 mA/m field	109 dB SPL	-
	SPLITS L/R	-	101/101 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	2.0 %	1.0 %
	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

Estimated battery life (Size 312, IEC PR41)	Typical	100 hours
IRIL (IEC 60118-13)	GSM/DECT	-13/-7 dB SPL

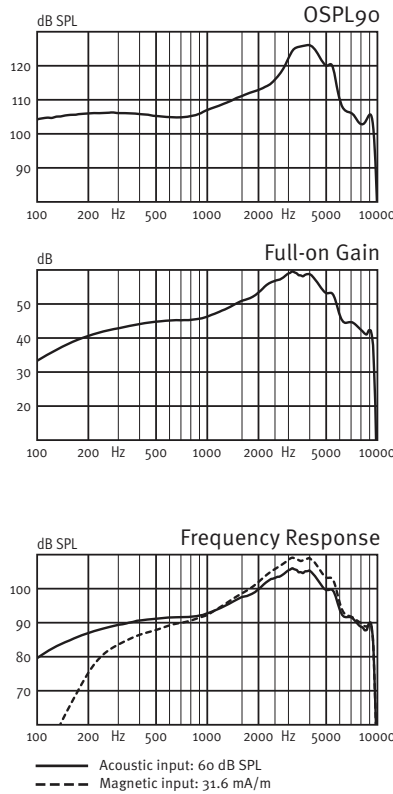


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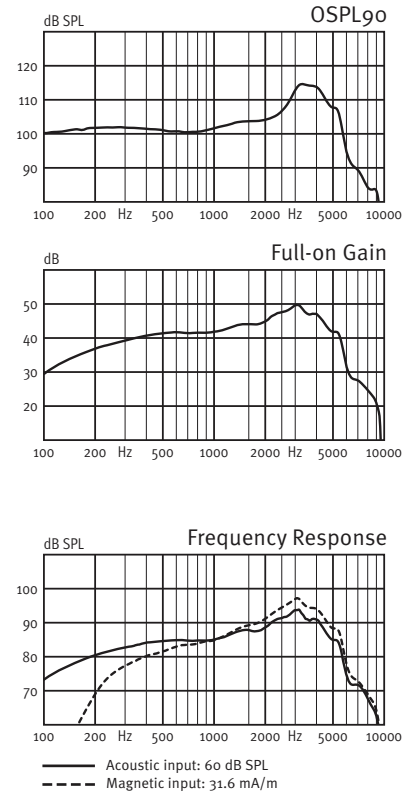
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### 2 CC COUPLER

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	115 dB SPL
	1600 Hz	111 dB SPL	104 dB SPL
	Average	108 dB SPL	105 dB SPL
Full-on gain	Peak	60 dB	50 dB
	1600 Hz	51 dB	44 dB
	Average	47 dB	44 dB
Frequency range		100-9500 Hz	100-8000 Hz
Telecoil output (1600 Hz)	1 mA/m field	82 dB SPL	-
	10 mA/m field	102 dB SPL	-
	SPLITS L/R	-	88/90 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	0.7 %	0.7 %
	800 Hz	0.9 %	0.5 %
	1600 Hz	0.4 %	0.1 %
Equivalent input noise level (A)	Omni	22 dB SPL	19 dB SPL
	Dir	29 dB SPL	25 dB SPL
Battery consumption	Quiescent	1.2 mA	1.2 mA
	Typical	1.2 mA	1.2 mA

Estimated battery life Typical 117 hours

(Size 312, IEC PR41)

IRIL (IEC 60118-13) GSM/DECT -18/-14 dB SPL

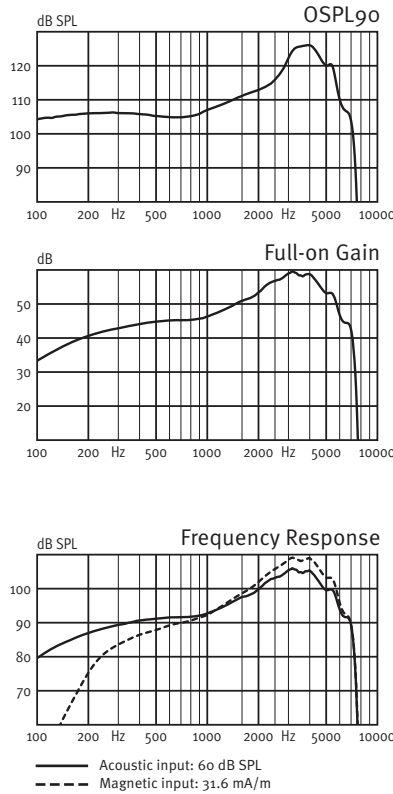


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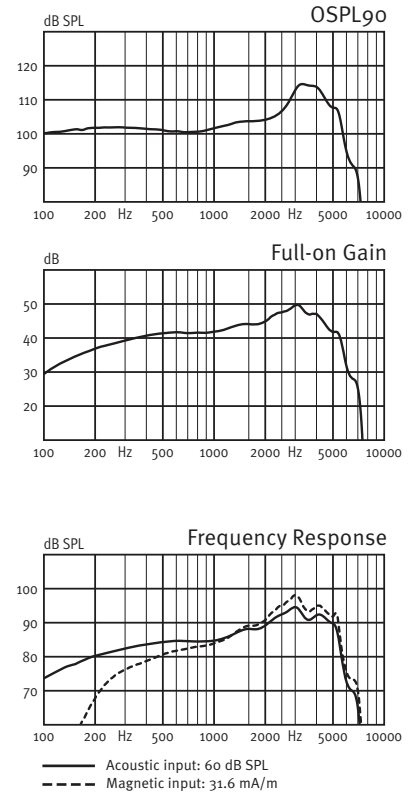
## EAR SIMULATOR

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## 2 CC 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	115 dB SPL
	1600 Hz	111 dB SPL	104 dB SPL
	Average	108 dB SPL	105 dB SPL
Full-on gain	Peak	60 dB	50 dB
	1600 Hz	51 dB	44 dB
	Average	47 dB	44 dB
Frequency range		100-7200 Hz	100-6800 Hz
Telecoil output (1600 Hz)	1 mA/m field	82 dB SPL	-
	10 mA/m field	102 dB SPL	-
	SPLITS L/R	-	88/88 dB SPL
Total harmonic distortion (Input 70 dB SPL)	500 Hz	0.7 %	0.7 %
	800 Hz	0.9 %	0.5 %
	1600 Hz	0.4 %	0.1 %
Equivalent input noise level (A)	Omni	22 dB SPL	19 dB SPL
	Dir	29 dB SPL	25 dB SPL
Battery consumption	Quiescent	1.2 mA	1.2 mA
	Typical	1.2 mA	1.2 mA

Estimated battery life Typical 117 hours

(Size 312, IEC PR41)

IRIL (IEC 60118-13) GSM/DECT -18/-14 dB SPL



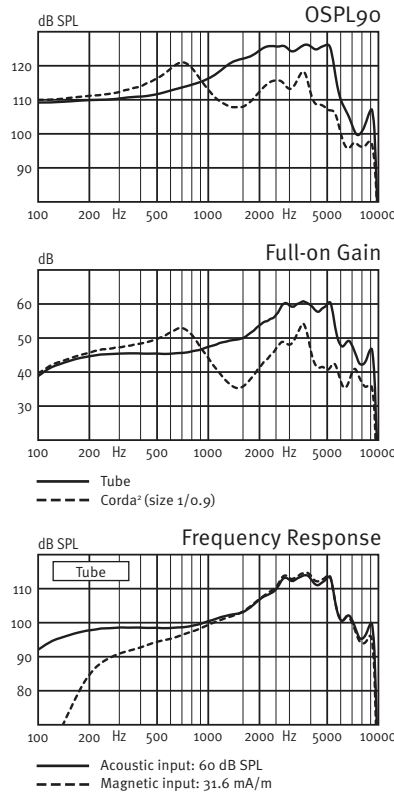


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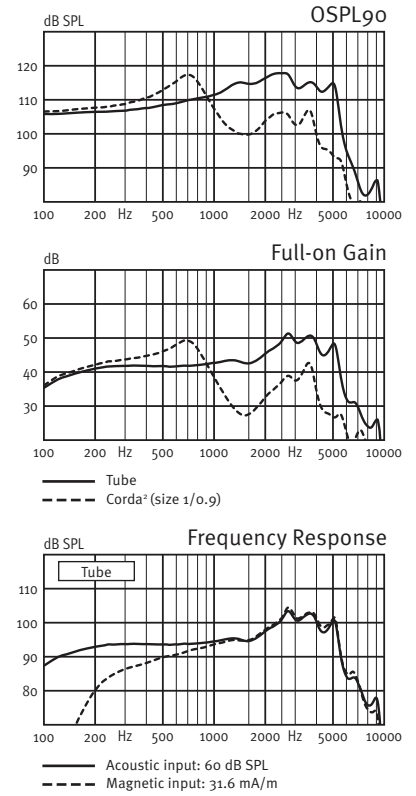
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### 2 CC COUPLER

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		100-9500 Hz	100-7800 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 (Input 70 dB SPL)	500 Hz	0.3 %	0.2 %
	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

Estimated battery life Typical 220 hours

(Size 13, IEC PR48)

IRIL (IEC 60118-13) GSM/DECT -27/-34 dB SPL



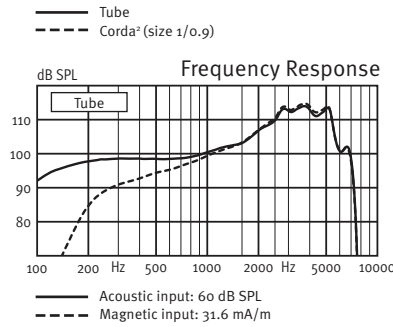
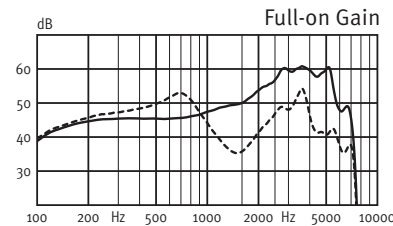
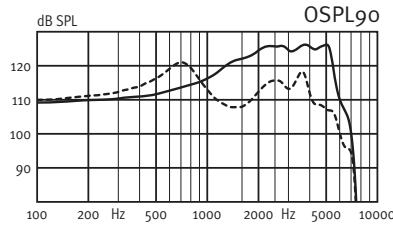
Scale 1:1

### Technical Information

Omnidirectional mode is used unless otherwise stated.

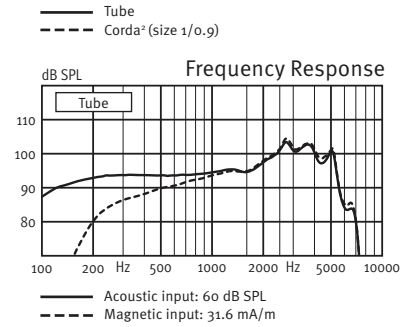
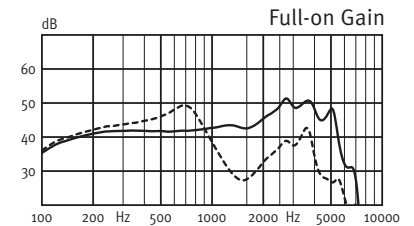
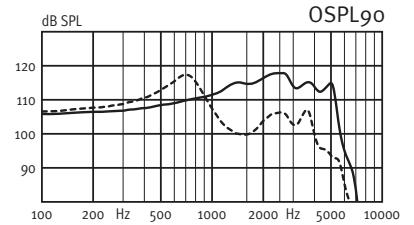
### EAR SIMULATOR

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



### 2 CC 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 (Input 70 dB SPL)	500 Hz	0.3 %	0.2 %
	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

Estimated battery life (Size 13, IEC PR48)	Typical	220 hours
IRIL (IEC 60118-13)	GSM/DECT	-27/-34 dB SPL

(\*) For instruments fitted with Corda²



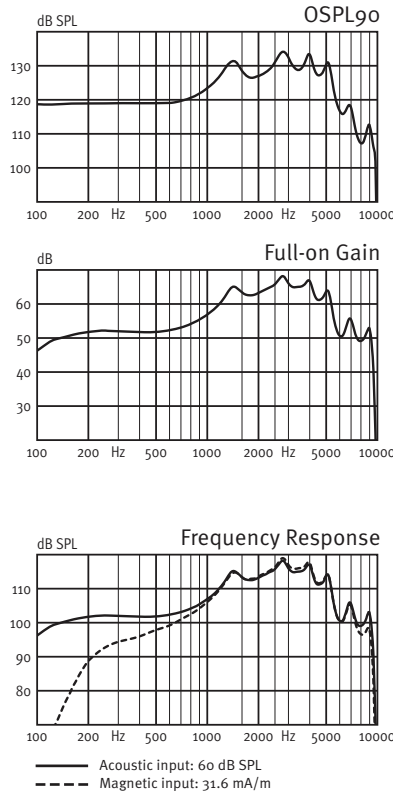
Scale 1:1

**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.

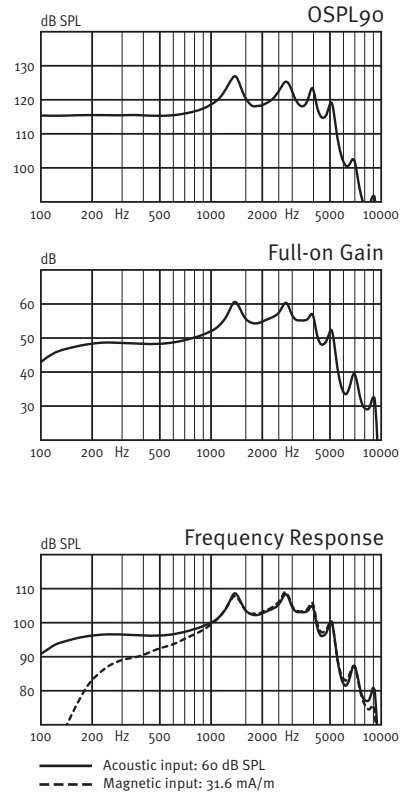
### EAR SIMULATOR

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



### 2 CC COUPLER

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



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		100-9500 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 (Input 70 dB SPL)	500 Hz	1.4 %	1.0 %
	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

Estimated battery life Typical 215 hours

(Size 13, IEC PR48)

IRIL (IEC 60118-13) GSM/DECT -28/-34 dB SPL



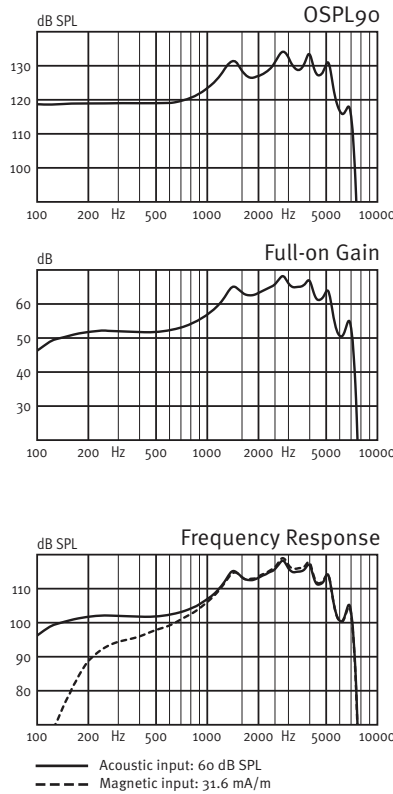
Scale 1:1

**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.

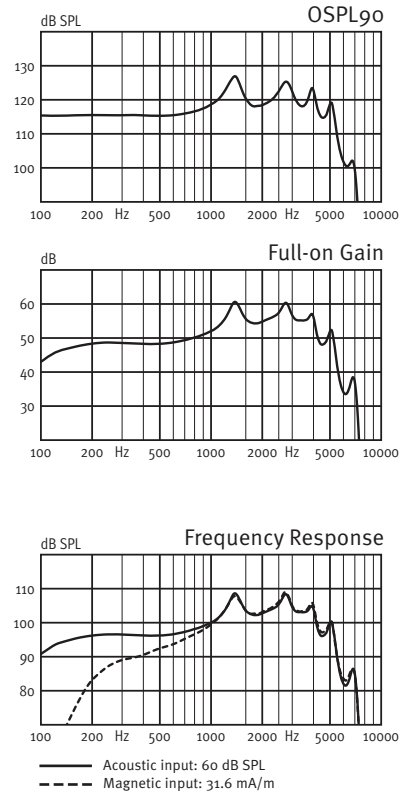
### EAR SIMULATOR

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



### 2 CC COUPLER

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



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 (Input 70 dB SPL)	500 Hz	1.4 %	1.0 %
	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

Estimated battery life Typical 215 hours

(Size 13, IEC PR48)

IRIL (IEC 60118-13) GSM/DECT -28/-34 dB SPL



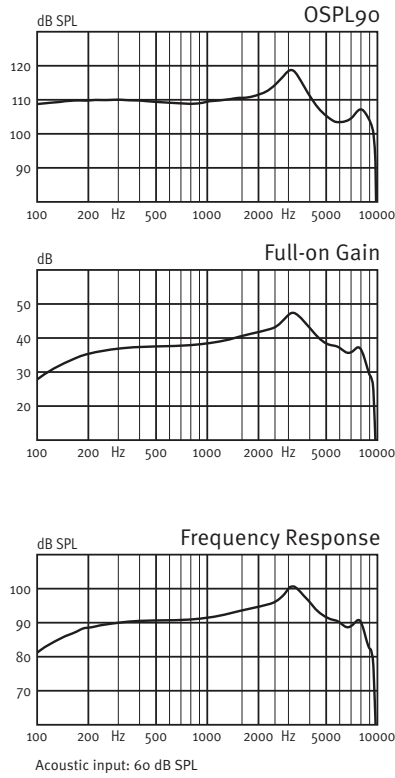
Scale 1:1

### Technical Information

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

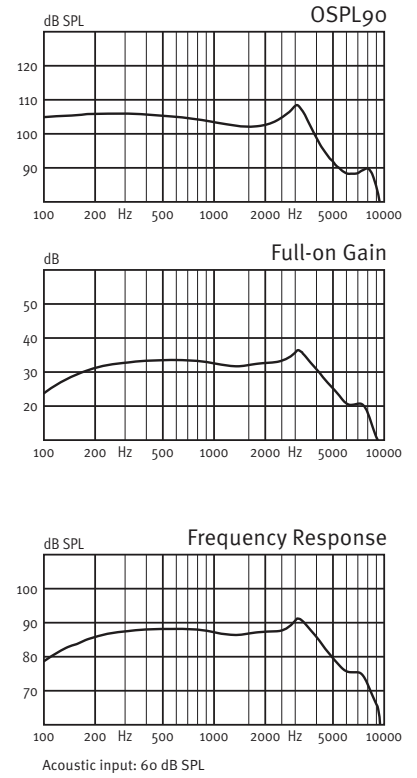
### EAR SIMULATOR

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



### 2 CC 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	102 dB SPL
	Average	110 dB SPL	104 dB SPL
Full-on gain	Peak	47 dB	37 dB
	1600 Hz	41 dB	32 dB
	Average	39 dB	33 dB
Frequency range		100-9500 Hz	100-8700 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS	-	-
Total harmonic distortion (Input 70 dB SPL)	500 Hz	0.6 %	0.3 %
	800 Hz	0.9 %	0.4 %
	1600 Hz	1.1 %	0.9 %
Equivalent input noise level (A)	Omni	20 dB SPL	18 dB SPL
	Dir	-	-
Battery consumption	Quiescent	0.7 mA	0.7 mA
	Typical	0.7 mA	0.8 mA

Estimated battery life Typical 115 hours

(Size 10, IEC PR70)

IRIL (IEC 60118-13) GSM/DECT -20/-17 dB SPL



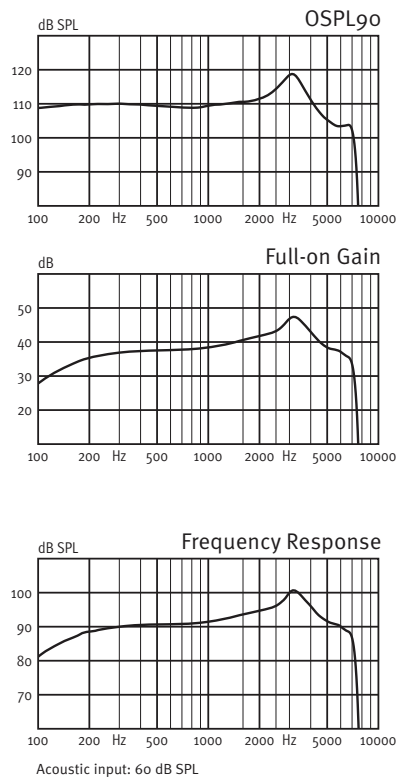
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### Technical Information

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

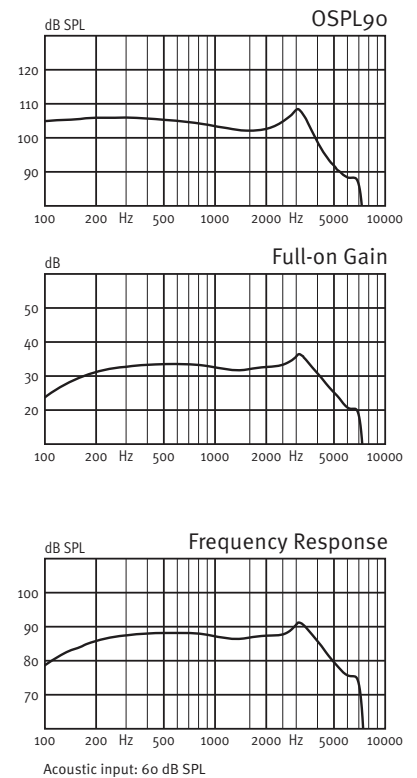
### EAR SIMULATOR

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



### 2 CC 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	102 dB SPL
	Average	110 dB SPL	104 dB SPL
Full-on gain	Peak	47 dB	37 dB
	1600 Hz	41 dB	32 dB
	Average	39 dB	33 dB
Frequency range		100-7400 Hz	100-7300 Hz
Telecoil output (1600 Hz)	1 mA/m field	-	-
	10 mA/m field	-	-
	SPLITS	-	-
Total harmonic distortion (Input 70 dB SPL)	500 Hz	0.6 %	0.3 %
	800 Hz	0.9 %	0.4 %
	1600 Hz	1.1 %	0.9 %
Equivalent input noise level (A)	Omni	20 dB SPL	18 dB SPL
	Dir	-	-
Battery consumption	Quiescent	0.7 mA	0.7 mA
	Typical	0.7 mA	0.8 mA

Estimated battery life (Size 10, IEC PR70)	Typical	115 hours
IRIL (IEC 60118-13)	GSM/DECT	-20/-17 dB SPL



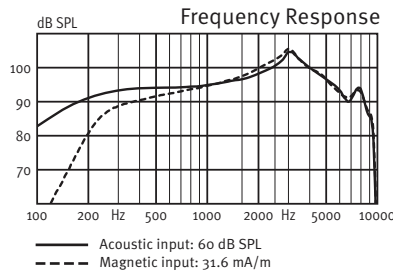
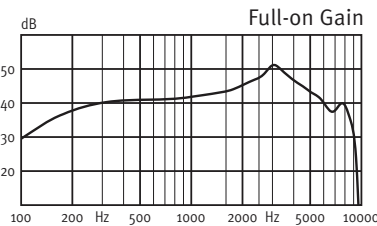
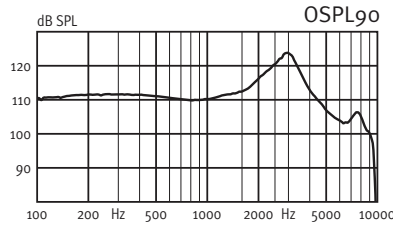
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### Technical Information

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

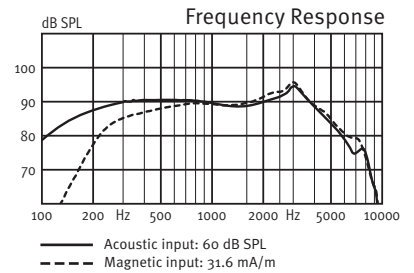
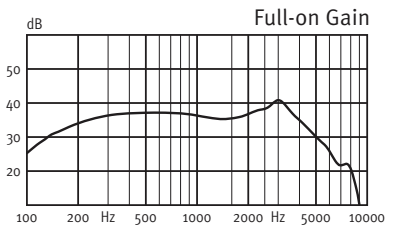
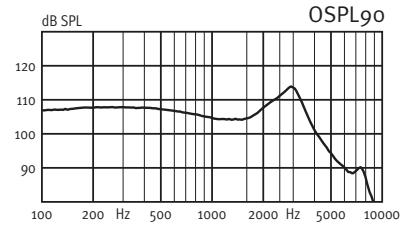
## EAR SIMULATOR

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



## 2 CC COUPLER

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



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		100-9200 Hz	100-8500 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 (Input 70 dB SPL)	500 Hz	0.8 %	0.6 %
	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 mA	1.1 mA
	Typical	1.2 mA	1.2 mA

Estimated battery life (Size 312, IEC PR41)	Typical	117 hours
IRIL (IEC 60118-13)	GSM/DECT	-38/-17 dB SPL



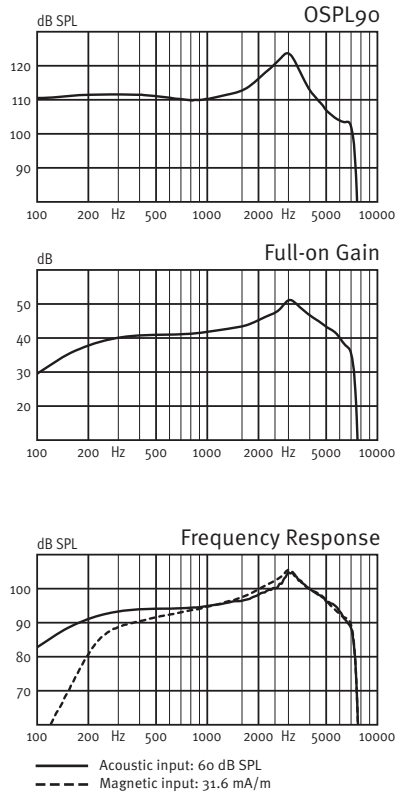
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### Technical Information

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

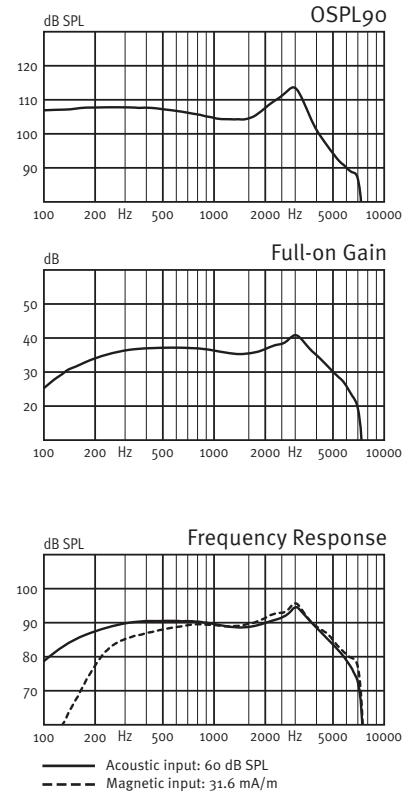
## EAR SIMULATOR

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



## 2 CC COUPLER

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



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 (Input 70 dB SPL)	500 Hz	0.8 %	0.6 %
	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 mA	1.1 mA
	Typical	1.2 mA	1.2 mA

Estimated battery life (Size 312, IEC PR41)	Typical	117 hours
IRIL (IEC 60118-13)	GSM/DECT	-38/-17 dB SPL





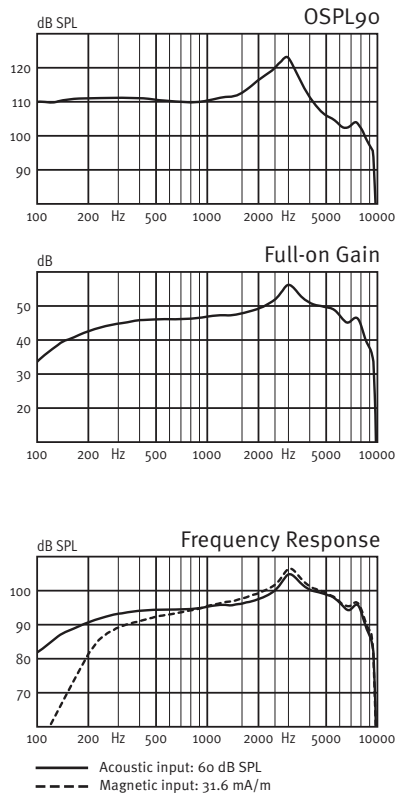
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### Technical Information

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

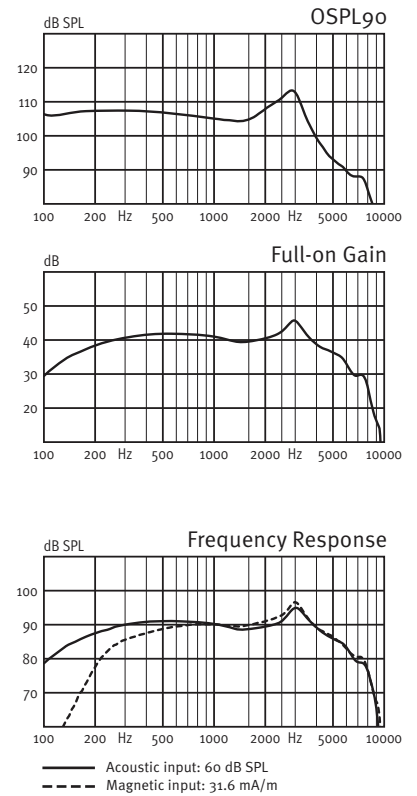
### EAR SIMULATOR

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



### 2 CC COUPLER

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



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		100-9500 Hz	100-8500 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 (Input 70 dB SPL)	500 Hz	0.7 %	0.5 %
	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 mA	1.1 mA
	Typical	1.2 mA	1.3 mA

Estimated battery life (Size 312, IEC PR41)	Typical	117 hours
IRIL (IEC 60118-13)	GSM/DECT	-43/-21 dB SPL



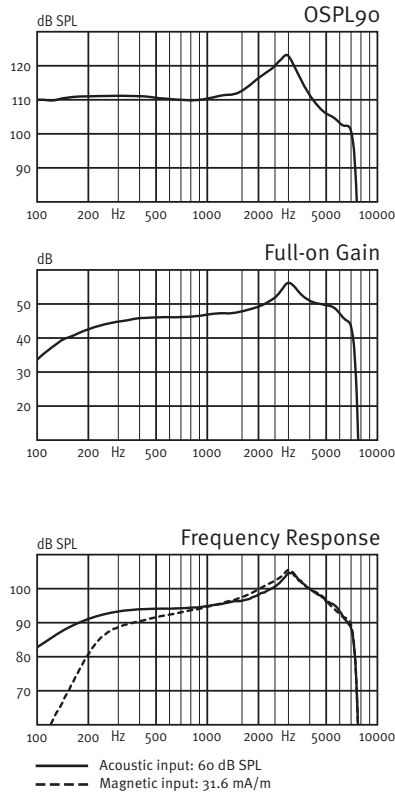
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### Technical Information

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

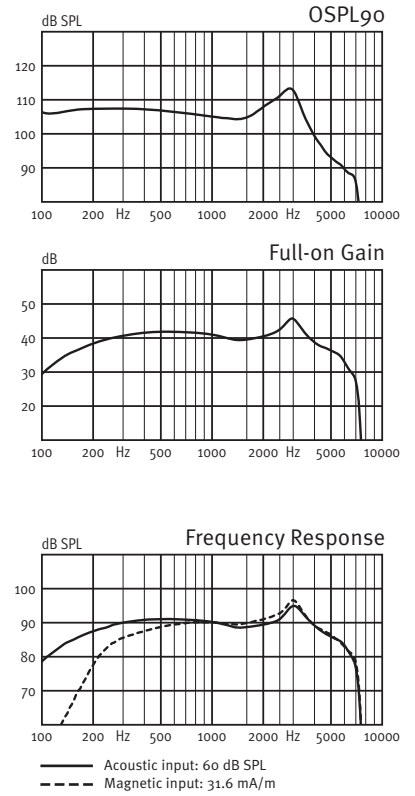
### EAR SIMULATOR

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



### 2 CC COUPLER

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



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 (Input 70 dB SPL)	500 Hz	0.7 %	0.5 %
	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 mA	1.1 mA
	Typical	1.2 mA	1.3 mA

Estimated battery life (Size 312, IEC PR41)	Typical	117 hours
IRIL (IEC 60118-13)	GSM/DECT	-43/-21 dB SPL



## People First

*We believe that it takes more than technology and audiology to create the best hearing instruments. That's why we put the individual needs and wishes of people with hearing loss first in our development of new hearing care solutions.*