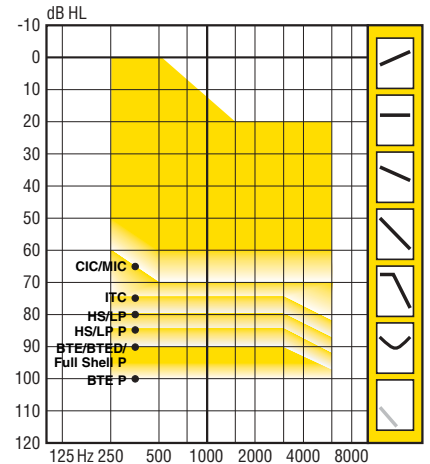




**Fitting range**



**Product Concept**

Going digital has never been easier. GO offers everything you need from an essential digital solution.

The GO family offers quality digital hearing care and combines the advantages of digital amplification with proven Oticon quality.

GO offers ease of use, superior reliability, quick user acceptance, and great fitting flexibility in a full range of styles and options.

**User Benefits**

- Fully digital
  - Non-linear amplification
  - Automatic operation
- Clear, comfortable sound quality
- Cosmetically attractive
- Easy operation
- Excellent ergonomics
- High reliability

**Dispenser Benefits**

- Quick user acceptance
- Intuitive, easy to use software
- High reliability
- Adaptation Manager
- Automatic Feedback Manager
- Comprehensive fine tuning guide with sounds and pictures

**Features**

- Two Channel WDRC compression
- NAL-NL1 rationale
- Six fitting controls:
  - LF Soft
  - HF Soft
  - LF Loud
  - HF Loud
  - LF MPO
  - HF MPO
- Adaptation Manager
- Automatic Feedback Manager
- Optional Programmable Volume Control and Telecoil
- Directional BTE and ITE instruments
- Power BTE and ITE instruments

**Instrument Styles**

- CIC (10 battery)
- MIC (10 battery)
- ITC (312 battery)
- HS/LP (312 battery)
- HS/LP Direct (312 or 10A battery)
- HS/LP Power (312 battery)
- Full Shell Power (13 battery)
- BTE (13 battery)
- BTE Power (13 battery)
- BTE Direct (13 battery)



**Warning**

The maximum output capability of the power instruments may exceed 132 dB SPL. Special care should be exercised in selecting and fitting these instruments as there may be risk of impairing the remaining hearing of the user.



**BTE Concept**

The BTEs are highly reliable and easy to operate with:

- On/off in battery door
- Push-button telecoil
- Swing hook
- Slim and light design

Options and accessories include:

- Volume Control
- Swing hooks:
  - Non damped
  - 5 dB damped
  - 9 dB damped
  - Pediatric hooks
- Eyeglass adaptor
- Tamper resistant battery door
- Colors:
  - Beige, light brown, dark brown, light grey, dark grey, black and kids colors
- CROS and BICROS input via DAI
- Compatible with DAI and wireless FM systems via DAI and FM adaptors

**Custom Concept**

Custom styles offer cosmetically attractive solutions with:

- Fully automatic solutions
- Excellent battery consumption
- On/off in battery door
- Push-button telecoil
- Selection of three wax protection systems:
  - NoWax
  - MicroWaxBuster
  - WaxBuster

Options and accessories include:

- Volume Control in ITE styles
- Programmable telecoil in ITE styles
- Selection of four faceplate colors

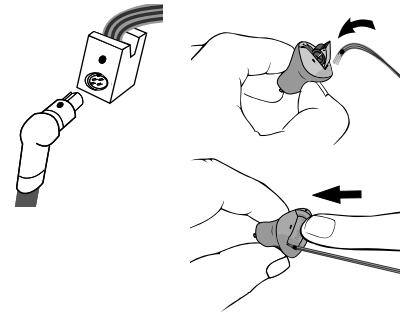
**Cables and Fitting Systems**

GO Instruments are programmed using the Genie fitting software compatible with NOAH 2.0 and 3.0 or EasyFit II. GO instruments use an Oticon #3 cable. The custom products use a FlexConnect strip and the BTEs use an adaptor. The BTE Direct uses a cable #2 and is programmed through the programming socket.

**Connect Custom Instruments**

Connect the small plug to the black connector on the FlexConnect, taking care to align the red dots. Insert a new battery in the instrument. With the battery door slightly open, insert the gold end of the FlexConnect into the space between the battery door and hinge.

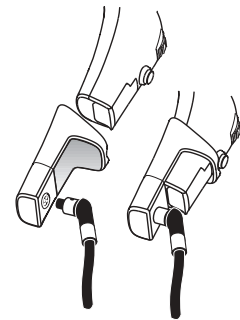
Make sure the dot is facing away from the door and the FlexConnect is pushed all the way in. Close the battery door.



**Connect BTE Instruments**

Connect the Oticon #3 cable to the programming shoe (make sure the red dot on the plug and the shoe are aligned) and push the instrument into the adaptor.

*Do not twist the plug!*



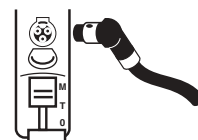
**BTE Directional Instruments**

Programming socket (lift cover). *Note:* During programming the instrument must be switched on, and in the M position.



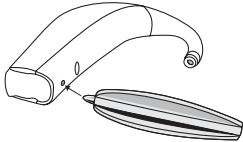
When connecting the programming plug (Cable 2), be sure that the red dot on the plug matches the red dot on the instrument.

*Do not twist the plug!*



**Adaptor tool**

Before connecting the FM or DAI shoe, use the Adaptor tool to make a hole in the base of the instrument. Press the tool into the recess, make a hole and turn the tool.



**DAI and FM operation**

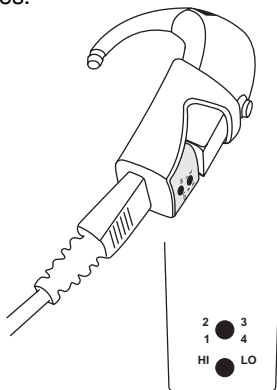
The DAI and FM adaptor shoes are easily clicked onto the instrument. To release the adaptor shoe press the grey button, and pull off.

**Universal DAI shoe**

The universal DAI shoe for GO provides access to a variety of external sound sources such as:

- Radio, TV, Walkman, MP3 and PC equipment (Hi setting)
- Body worn FM equipment (Lo setting)

One shoe can be used for all DAI purposes.

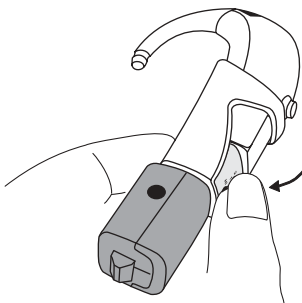


Instructions:

- 1 Set the sensitivity to High (Hi) or Low (Lo).
- 2 Adjust the output level control to a comfortable level (1-4).

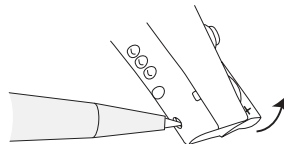
**FM adaptor shoe**

The FM adaptor shoe is used with ear level FM systems.



**Optional tamper-resistant battery door**

This is strongly recommended for infants, small children, and people with learning difficulties.



Instructions:

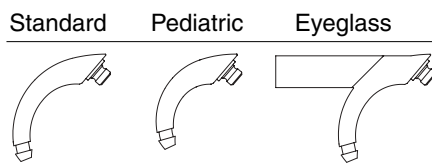
To open the battery door, have the hearing instrument in the off position. Insert the end of a ball-point pen or the like into the small recess, press while gently opening the battery door with the other hand.

Important:

Do not force the battery door beyond its fully open position. Insert the battery correctly. Excessive strain can deform the battery door, which will reduce its tamper-resistant effectiveness.

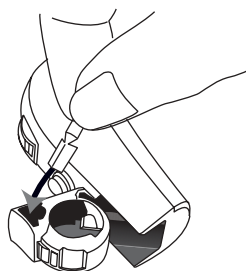
**Sound hooks**

GO can be used with a number of different hooks. Swing hooks are available non-damped, 5 dB and 9 dB damped. Moreover, a pediatric and eyeglass adaptor-hook is available.



**Right and Left identification**

GO comes standard with a red and blue marker for easy identification of right and left instruments.



Instructions:

Open the battery door. Insert the marker and twist off the top part.

Select Oticon in the Noah Manufacturer Selection screen. A sub-screen will appear. Choose Genie. Use the Selection menu to select instruments. When a GO instrument is selected, click Fitting to program the instrument.

**Standard Fitting Panel**

Use the trimmers to adjust:

**LF Loud** - low frequency gain for loud inputs (shown value is average insertion gain at 80 dB SPL)

**LF Soft** - low frequency gain for soft inputs (shown value is average insertion gain at 50 dB SPL)

**HF Loud** - high frequency gain for loud inputs

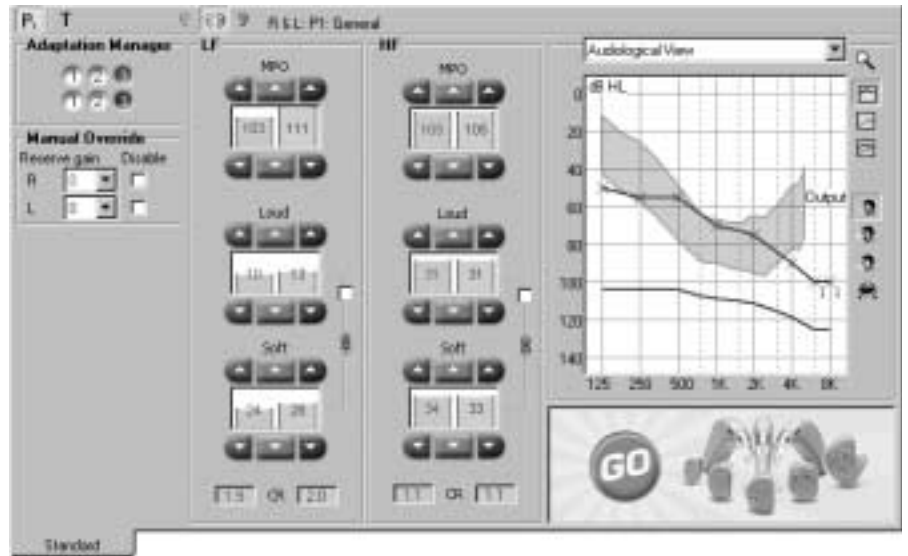
**HF Soft** - high frequency gain for soft inputs

Link loud and soft control to make overall gain changes in the HF or LF channels.

**MPO** - sets the Maximum Power Output (Shown value is maximum sound pressure in the ear canal in dB HL).

**Manual Override**

Sets the reserve gain in the digital volume control.



Linked



Not linked

**Adaptation Manager**

Set the Adaptation Manager to reflect the hearing aid experience of the client and to get high immediate acceptance by reducing or increasing the selected setting.

**Link**

When adjusting controls in styles with a directional program, click the link icon to link the programs; any changes to Program 1 will then also apply to Program 2. To access and adjust Program 2 separately, click the P2 icon.



**Directional LF Roll Off**

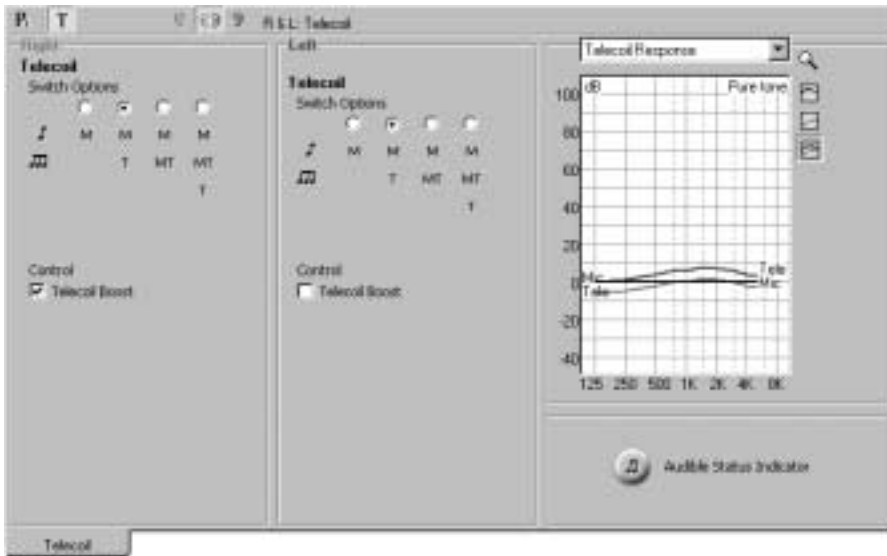
Adjusts the degree of LF gain roll off. A grayed icon indicates a degree of roll off that is unavailable.

**Select more roll off if:**

- Wind, footsteps, etc. are too loud
- Speech in noise is unclear

**Select less roll off if:**

- Speech in noise is too soft



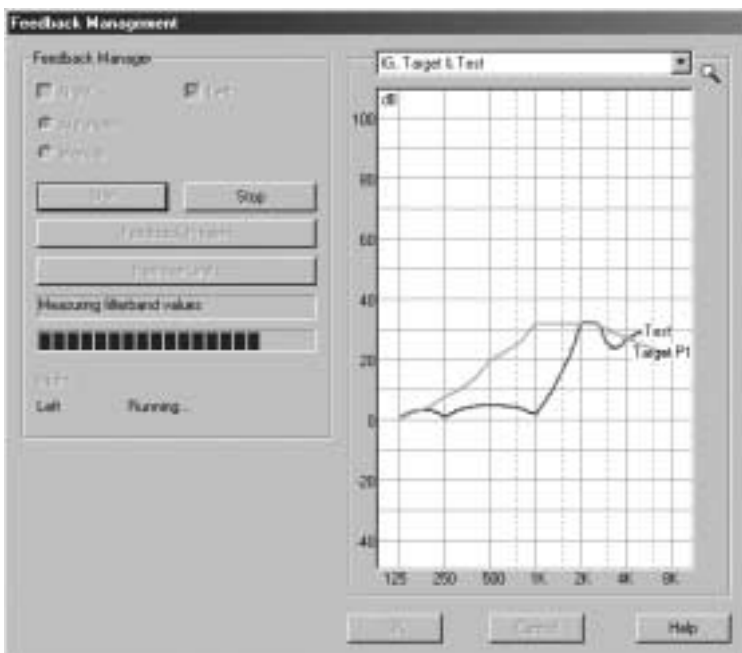
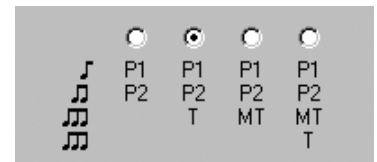
**Telecoil**

The Push button can be programmed to match the client's preferences. The choices available depend on the selected instruments.

- M = Microphone
- T = Telecoil
- MT = Microphone combined with telecoil

**Directional:**

- P1 = Microphone (Omni)
- P2 = Directional Microphone



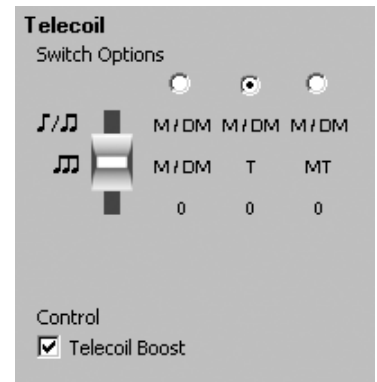
**Automatic Feedback Manager**

Select the feedback manager in the toolbar.

The Automatic Feedback Manager will check for feedback in the high frequency range of the instrument and reduce gain in areas with feedback present. The process is fully automatic.

**BTE Directional – Telecoil switch options**

The function of the sliding switch on GO BTE Direct can be programmed to match the user's requirements.












**Telecoil Boost**

Applies an additional 6 dB boost to the telecoil. Not available in power instruments.

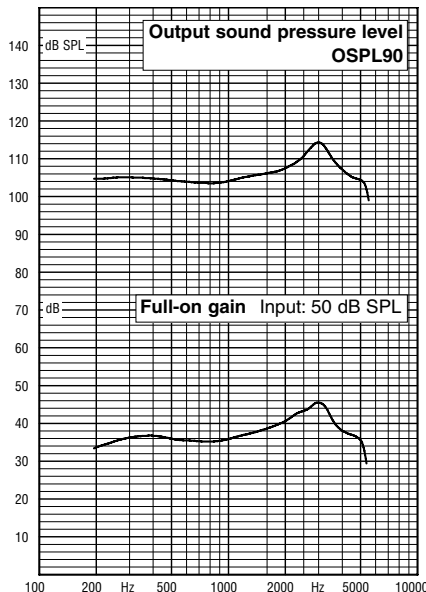
# PRODUCT OVERVIEW



	Peak Gain (dB)		Peak Output (dB SPL)		Battery Size	Battery Lifetime Typical (hours)	Options	
	Ear Simulator	2cc Coupler	Ear Simulator	2cc Coupler			Telecoil	Volume Control
<b>CIC/MIC</b> 	45	35	114	104	10	100		
<b>ITC</b> 	50	40	120	110	312	160		
<b>HS/LP (312)</b> 	55	46	120	110	312	145	Yes	Yes
<b>HS/LP Direct (10A or 312)</b> 	52	43	120	110	10 or 312	70 or 130	Yes	
<b>HS/LP Power (312)</b> 	60	49	127	117	312	120	Yes	Standard
<b>Full Shell Power (13)</b> 	65	55	133	125	13	170	Yes	Standard
<b>BTE</b> 	66	59	125	119	13	270	Standard	Yes
<b>BTE Power</b> 	74	71	138	133	13	220	Standard	Standard
<b>BTE Direct</b> 	66	57	122	115	13	220	Standard	

**Ear simulator**

Measured according to IEC publications 118-0, -1, -2, -6, -13 (incl. amendments) and 711.



**Data at a glance**

**Note:** Measurements with pure tones on a digital hearing instrument can show a wavy HF-response due to the constant time delay that causes a series of full phase shifts in narrow frequency bands.

Ear Simulator	2cc Coupler
OSPL90	SSPL90
114	Peak
104	1000 Hz
106	1600 Hz
105	Average (DIN)
	HF Average (ANSI)

Full-on gain, dB		
Input: 50 dB SPL		
45	Peak	35
36	1000 Hz	30
39	1600 Hz	30
38	Average (DIN)	31
	HF Average (ANSI)	32

Frequency Range, Hz		
110-5400	DIN/ANSI	100-5400

Total harmonic distortion, %		
Reference setting. Input: 70 dB SPL		
IEC	Hz	ANSI
1.5	500, typical	1.0
1.5	800, typical	1.0
1.5	1600, typical	1.0

Equivalent input noise level (ANSI), dB SPL		
22	Typical/maximum	19/23

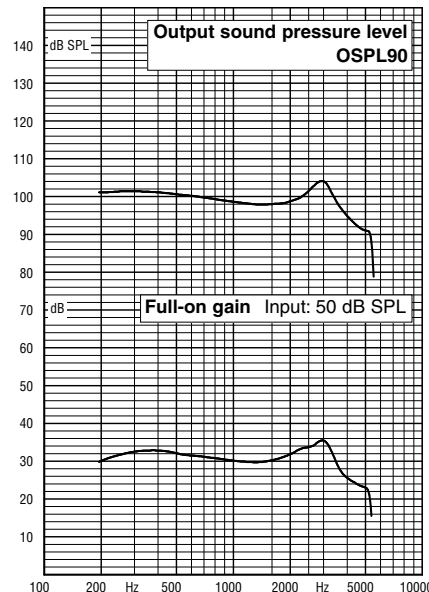
Battery consumption, mA		
0.7/0.9	Quiescent, typical/maximum	0.7/0.9
0.7	IEC	0.7
	ANSI	0.7

Battery		
Size 10 (IEC PR70)		
Estimated life in hours	Typ	Min
1.4 V Zinc air	100	80

EMC Immunity (IEC 118-13)		
IRIL, dB SPL	Field strength, (V/m)	
GSM/DECT	GSM/DECT	
-30/-25	Microphone	3/2

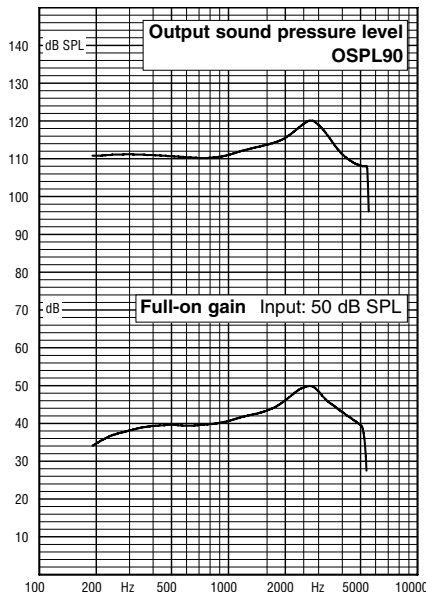
**2cc coupler**

Measured according to IEC publications 118-7 (incl. amendments) and 126 and to ANSI S3.22 (1996) and S3.7 (1973).



**Ear simulator**

Measured according to IEC publications 118-0, -1, -2, -6, -13 (incl. amendments) and 711.



**Data at a glance**

**Note:** Measurements with pure tones on a digital hearing instrument can show a wavy HF-response due to the constant time delay that causes a series of full phase shifts in narrow frequency bands.

Ear Simulator OSPL90	Output, dB SPL	2cc Coupler SSPL90
120	Peak	110
111	1000 Hz	105
114	1600 Hz	105
113	Average (DIN)	106
	HF Average (ANSI)	106

Full-on gain, dB		
Input: 50 dB SPL		
50	Peak	40
41	1000 Hz	35
43	1600 Hz	35
43	Average (DIN)	36
	HF Average (ANSI)	37

Frequency Range, Hz		
130-5400	DIN/ANSI	100-5400

Total harmonic distortion, %		
Reference setting. Input: 70 dB SPL		
IEC	Hz	ANSI
2.0	500, typical	1.5
2.0	800, typical	1.5
2.0	1600, typical	1.5

Equivalent input noise level (ANSI), dB SPL		
22	Typical/maximum	19/23

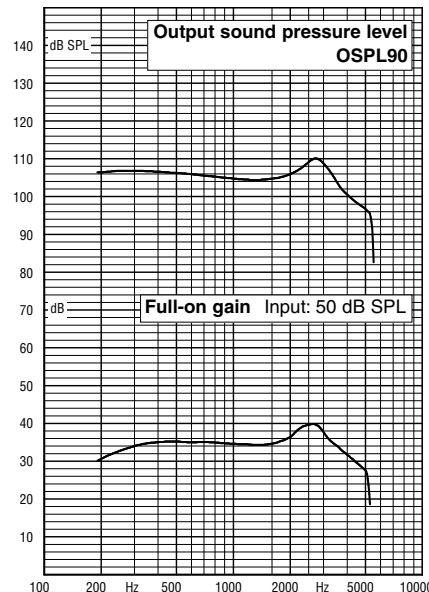
Battery consumption, mA		
0.8/1.0	Quiescent, typical/maximum	0.8/1.0
0.8	IEC	0.8
	ANSI	0.8

Battery		
Size 312 (IEC PR41)		
Estimated life in hours	Typ	Min
1.4 V Zinc air	160	130

EMC Immunity (IEC 118-13)		
IRIL, dB SPL	Field strength, (V/m)	
GSM/DECT	GSM/DECT	
-30/-25	Microphone	3/2

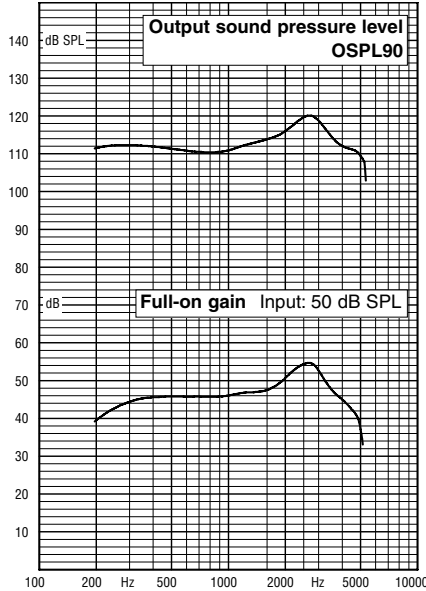
**2cc coupler**

Measured according to IEC publications 118-7 (incl. amendments) and 126 and to ANSI S3.22 (1996) and S3.7 (1973).

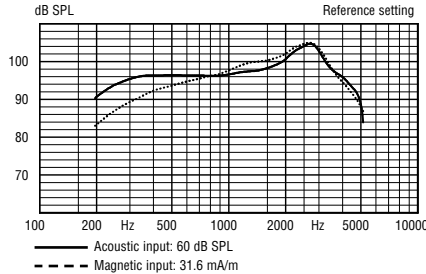


**Ear simulator**

Measured according to IEC publications 118-0, -1, -2, -6, -13 (incl. amendments) and 711.



**Frequency response with magnetic and acoustic input**



**Data at a glance**

**Note:** Measurements with pure tones on a digital hearing instrument can show a wavy HF-response due to the constant time delay that causes a series of full phase shifts in narrow frequency bands.

Ear Simulator OSPL90	Output, dB SPL	2cc Coupler SSPL90
120	Peak	110
111	1000 Hz	105
114	1600 Hz	105
113	Average (DIN)	106
	HF Average (ANSI)	107

Full-on gain, dB		
Input: 50 dB SPL		
55	Peak	46
46	1000 Hz	41
48	1600 Hz	40
48	Average (DIN)	42
	HF Average (ANSI)	42

Frequency Range, Hz		
140-5100	DIN/ANSI	120-5000

Telecoil output, dB SPL		
78	1 mA/m field, 1600 Hz	70
100	10 mA/m field, 1600 Hz	92
	SPLITS (ANSI)	90

Total harmonic distortion, %		
Reference setting. Input: 70 dB SPL		
IEC	Hz	ANSI
3.0	500, typical	2.5
3.0	800, typical	2.5
3.0	1600, typical	2.5

Equivalent input noise level (ANSI), dB SPL		
16	Typical/maximum	16/20

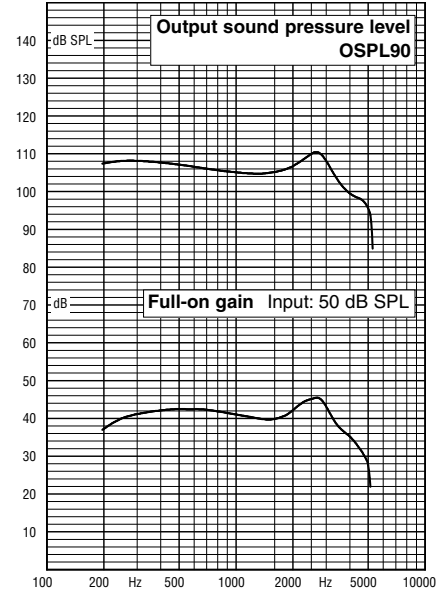
Battery consumption, mA		
0.9/1.1	Quiescent, typical/maximum	0.9/1.1
0.9	IEC	0.9
	ANSI	0.9

Battery		
Size 312 (IEC PR41)		
Estimated life in hours	Typ	Min
1.4 V Zinc air	145	120

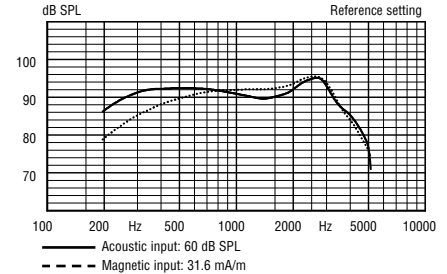
EMC Immunity (IEC 118-13)		
IRIL, dB SPL	Field strength, (V/m)	
GSM/DECT	GSM/DECT	
-30/-10	Microphone	3/2
-10/-5	Telecoil	3/2

**2cc coupler**

Measured according to IEC publications 118-7 (incl. amendments) and 126 and to ANSI S3.22 (1996) and S3.7 (1973).

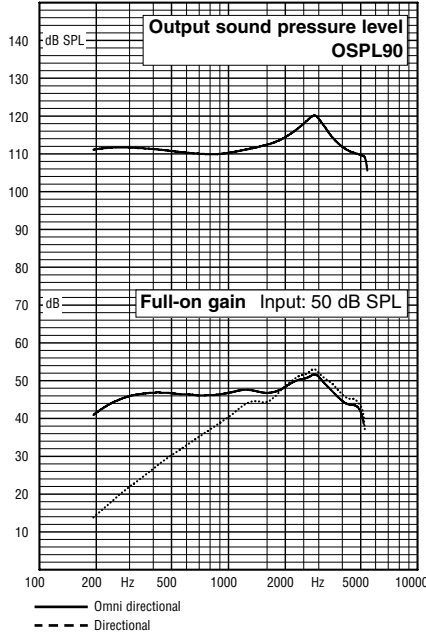


**Frequency response with magnetic and acoustic input**

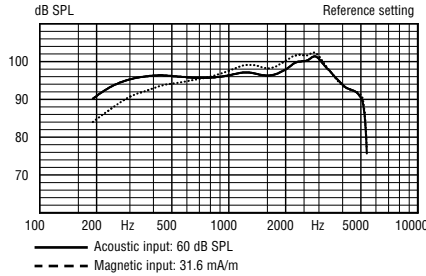


**Ear simulator**

Measured according to IEC publications 118-0, -1, -2, -6, -13 (incl. amendments) and 711.

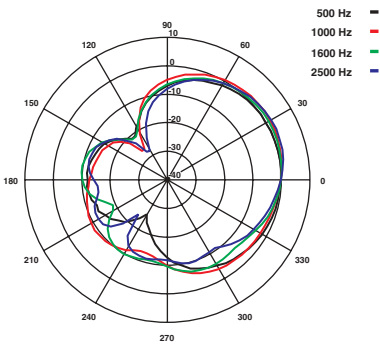


**Frequency response with magnetic and acoustic input**



**Polar Plot**

Left ear



**Data at a glance**

**Note:** Measurements with pure tones on a digital hearing instrument can show a wavy HF-response due to the constant time delay that causes a series of full phase shifts in narrow frequency bands.

Ear Simulator		2cc Coupler	
OSPL90	Output, dB SPL	SSPL90	
120	Peak	110	
110	1000 Hz	105	
113	1600 Hz	105	
112	Average (DIN)	106	
	HF Average (ANSI)	106	

Full-on gain, dB		
Input: 50 dB SPL		
52	Peak	43
47	1000 Hz	41
47	1600 Hz	39
47	Average (DIN)	41
	HF Average (ANSI)	41

Frequency Range, Hz		
120-5400	DIN/ANSI	100-5400

Telecoil output, dB SPL		
76	1 mA/m field, 1600 Hz	69
98	10 mA/m field, 1600 Hz	91
	SPLITS (ANSI)	88

Total harmonic distortion, %		
Reference setting. Input: 70 dB SPL		
IEC	Hz	ANSI
2.5	500, typical	2.0
2.5	800, typical	2.0
2.5	1600, typical	2.0

Equivalent input noise level (ANSI), dB SPL		
16	Typical/maximum, Omni	16/20
26	Typical/maximum, Dir	25/29

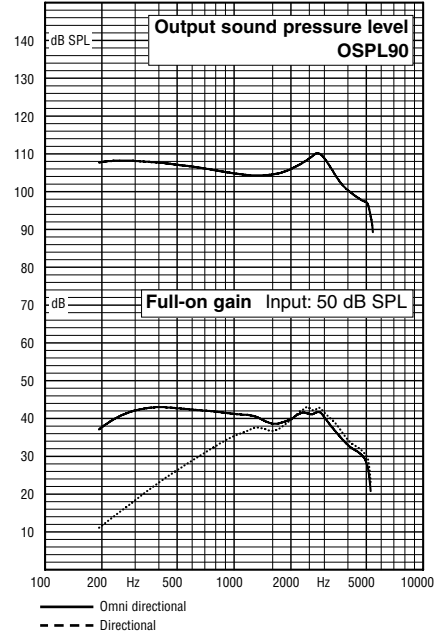
Battery consumption, mA		
1.0/1.2	Quiescent, typical/maximum	1.0/1.2
1.0	IEC	1.0
	ANSI	1.0

Battery		
Size 312 (IEC PR41) / Size 10 (IEC PR70)		
Estimated life in hours		
	Typ	Min
Size 312, 1.4 V Zinc air	130	110
Size 10, 1.4 V Zinc air	70	60

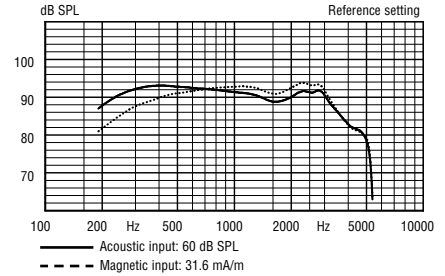
EMC Immunity (IEC 118-13)		
IRIL, dB SPL	Field strength, (V/m)	
GSM/DECT	GSM/DECT	
-25/0	Microphone (Omni)	3/2
-15/15	Microphone (Dir)	3/2
-5/0	Telecoil	3/2

**2cc coupler**

Measured according to IEC publications 118-7 (incl. amendments) and 126 and to ANSI S3.22 (1996) and S3.7 (1973).

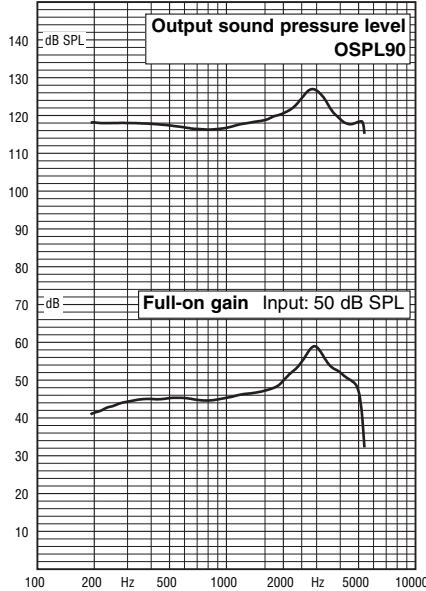


**Frequency response with magnetic and acoustic input**

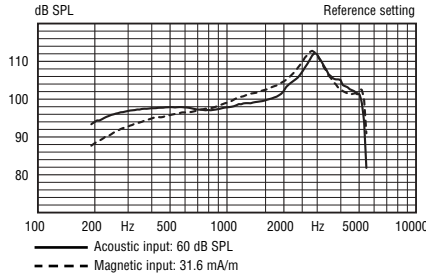


**Ear simulator**

Measured according to IEC publications 118-0, -1, -2, -6, -13 (incl. amendments) and 711.



**Frequency response with magnetic and acoustic input**



**Data at a glance**

**Note:** Measurements with pure tones on a digital hearing instrument can show a wavy HF-response due to the constant time delay that causes a series of full phase shifts in narrow frequency bands.

Ear Simulator OSPL90	2cc Coupler Output, dB SPL	SSPL90
127	Peak	117
117	1000 Hz	111
119	1600 Hz	110
118	Average (DIN)	112
	HF Average (ANSI)	112

Full-on gain, dB		
Input: 50 dB SPL		
60	Peak	49
46	1000 Hz	40
47	1600 Hz	39
47	Average (DIN)	41
	HF Average (ANSI)	42

Frequency Range, Hz		
120-5100	DIN/ANSI	100-5200

Telecoil output, dB SPL		
77	1 mA/m field, 1600 Hz	69
99	10 mA/m field, 1600 Hz	91
	SPLITS (ANSI)	95

Total harmonic distortion, %		
Reference setting. Input: 70 dB SPL		
IEC	Hz	ANSI
0.2	500, typical	0.2
0.5	800, typical	0.3
0.5	1600, typical	0.3

Equivalent input noise level (ANSI), dB SPL		
22	Typical/maximum	21/25

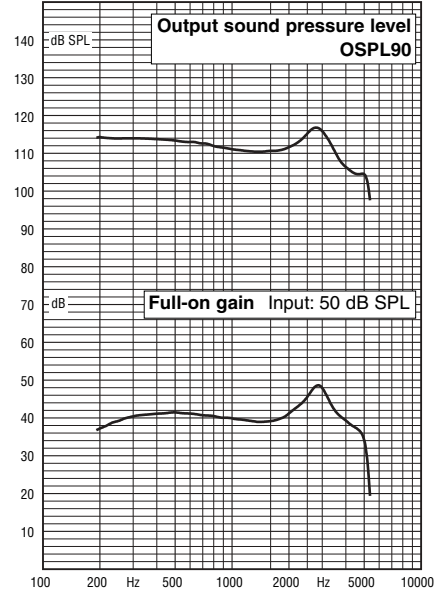
Battery consumption, mA		
1.1/1.3	Quiescent, typical/maximum	1.1/1.3
1.1	IEC	1.1
	ANSI	1.2

Battery		
Size 312 (IEC PR41)		
Estimated life in hours	Typ	Min
1.4 V Zinc air	120	100

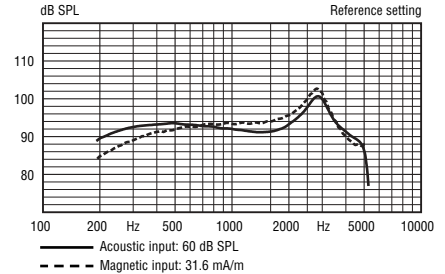
EMC Immunity (IEC 118-13)		
IRIL, dB SPL	Field strength, (V/m)	
GSM/DECT	GSM/DECT	
-27/-12	Microphone	3/2
-3/2	Telecoil	3/2

**2cc coupler**

Measured according to IEC publications 118-7 (incl. amendments) and 126 and to ANSI S3.22 (1996) and S3.7 (1973).

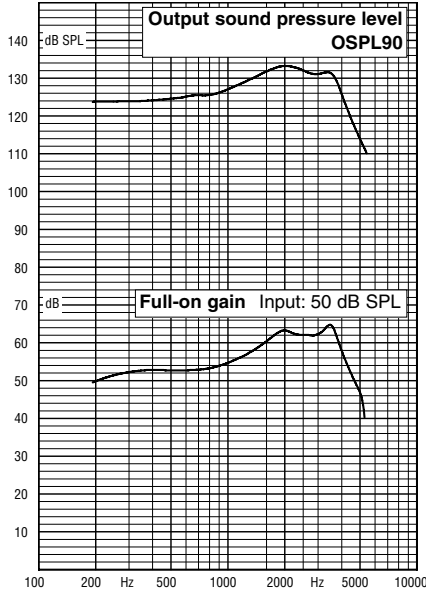


**Frequency response with magnetic and acoustic input**

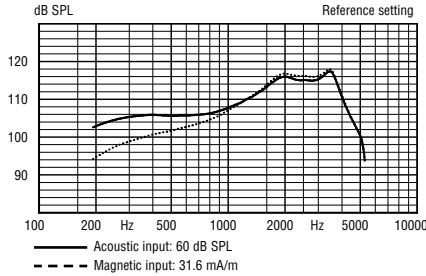


**Ear simulator**

Measured according to IEC publications 118-0, -1, -2, -6, -13 (incl. amendments) and 711.



**Frequency response with magnetic and acoustic input**



**Data at a glance**

**Note:** Measurements with pure tones on a digital hearing instrument can show a wavy HF-response due to the constant time delay that causes a series of full phase shifts in narrow frequency bands.

Ear Simulator	2cc Coupler
<b>OSPL90</b>	<b>SSPL90</b>
133 Peak	125
127 1000 Hz	121
132 1600 Hz	124
128 Average (DIN)	122
HF Average (ANSI)	122

Full-on gain, dB		
Input: 50 dB SPL		
65	Peak	55
55	1000 Hz	50
60	1600 Hz	53
57	Average (DIN)	51
	HF Average (ANSI)	52

Frequency Range, Hz		
125-5100	DIN/ANSI	100-5200

Telecoil output, dB SPL		
89	1 mA/m field, 1600 Hz	81
111	10 mA/m field, 1600 Hz	103
	SPLITS (ANSI)	104

Total harmonic distortion, %		
Reference setting. Input: 70 dB SPL		
IEC	Hz	ANSI
4.0	500, typical	3.5
4.0	800, typical	3.5
1.0	1600, typical	1.0

Equivalent input noise level (ANSI), dB SPL		
21	Typical/maximum	20/24

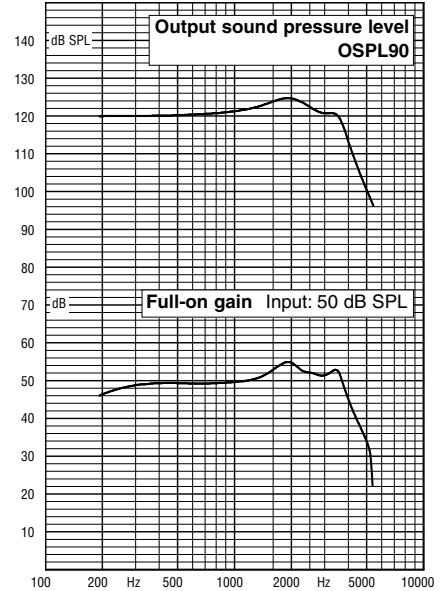
Battery consumption, mA		
1.4/1.6	Quiescent, typical/maximum	1.4/1.6
1.4	IEC	1.4
	ANSI	1.5

Battery		
Size 13 (IEC PR48)		
Estimated life in hours	Typ	Min
1.4 V Zinc air	170	150

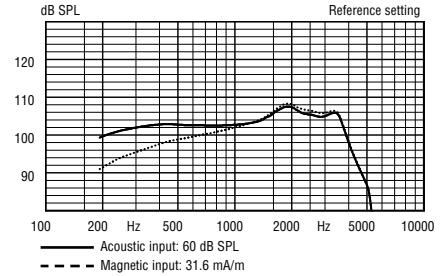
EMC Immunity (IEC 118-13)		
IRIL, dB SPL	Field strength, (V/m)	
GSM/DECT	GSM/DECT	
-30/-15	Microphone	3/2
-10/0	Telecoil	3/2

**2cc coupler**

Measured according to IEC publications 118-7 (incl. amendments) and 126 and to ANSI S3.22 (1996) and S3.7 (1973).

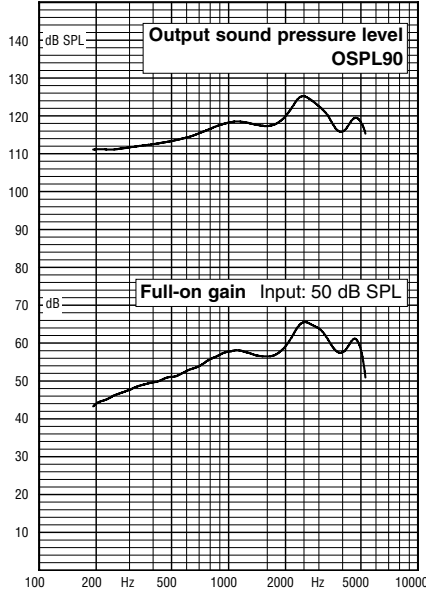


**Frequency response with magnetic and acoustic input**

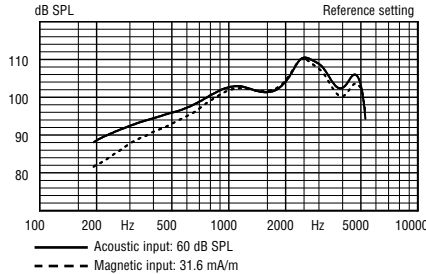


**Ear simulator**

Measured according to IEC publications 118-0, -1, -2, -6, -13 (incl. amendments) and 711.



**Frequency response with magnetic and acoustic input**



**Data at a glance**

**Note:** Measurements with pure tones on a digital hearing instrument can show a wavy HF-response due to the constant time delay that causes a series of full phase shifts in narrow frequency bands.

Ear Simulator		2cc Coupler
OSPL90	Output, dB SPL	SSPL90
125	Peak	119
118	1000 Hz	114
117	1600 Hz	111
117	Average (DIN)	113
	HF Average (ANSI)	114

Full-on gain, dB		
Input: 50 dB SPL		
66	Peak	59
58	1000 Hz	53
56	1600 Hz	50
56	Average (DIN)	52
	HF Average (ANSI)	54

Frequency Range, Hz		
150-5500	DIN/ANSI	120-5400

Telecoil output, dB SPL		
85	1 mA/m field, 1600 Hz	78
107	10 mA/m field, 1600 Hz	100
	SPLITS (ANSI)	93

Total harmonic distortion, %		
Reference setting, Input: 70 dB SPL		
IEC	Hz	ANSI
1.5	500, typical	1.5
1.5	800, typical	1.5
1.0	1600, typical	1.0

Equivalent input noise level (ANSI), dB SPL		
20	Typical/maximum	17/21

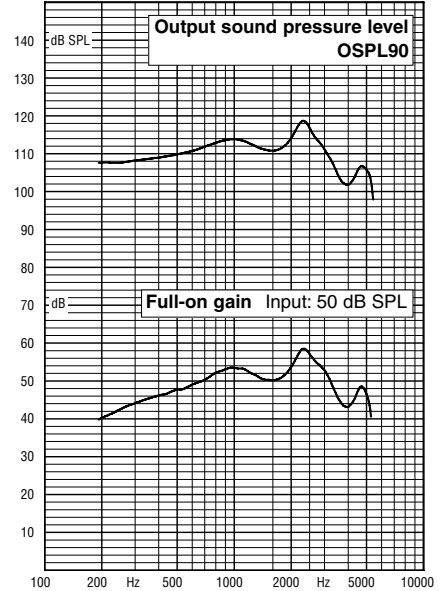
Battery consumption, mA		
0.9/1.1	Quiescent, typical/maximum	0.9/1.1
0.9	IEC	0.9
	ANSI	0.9

Battery		
Size 13 (IEC PR48)		
Estimated life in hours	Typ	Min
1.4 V Zinc air	270	220

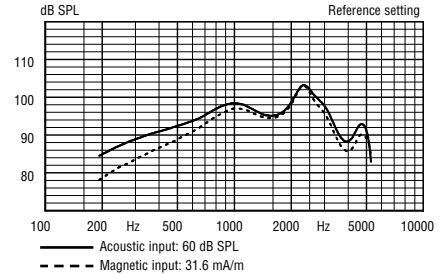
EMC Immunity (IEC 118-13)		
IRIL, dB SPL	Field strength, (V/m)	
GSM/DECT	GSM/DECT	
-10/-10	Microphone	3/2
5/5	Telecoil	3/2

**2cc coupler**

Measured according to IEC publications 118-7 (incl. amendments) and 126 and to ANSI S3.22 (1996) and S3.7 (1973).

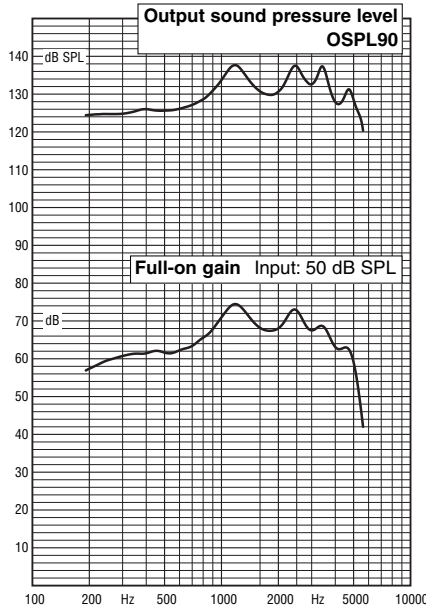


**Frequency response with magnetic and acoustic input**

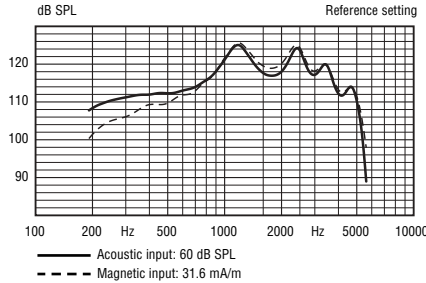


**Ear simulator**

Measured according to IEC publications 118-0, -1, -2, -6, -13 (incl. amendments) and 711.



**Frequency response with magnetic and acoustic input**



**Data at a glance**

**Note:** Measurements with pure tones on a digital hearing instrument can show a wavy HF-response due to the constant time delay that causes a series of full phase shifts in narrow frequency bands.

Ear Simulator		2cc Coupler	
<b>OSPL90</b>	<b>Output, dB SPL</b>	<b>SSPL90</b>	
138	Peak	133	
134	1000 Hz	130	
131	1600 Hz	123	
130	Average (DIN)	125	
	HF Average (ANSI)	127	
<b>Full-on gain, dB</b>			
Input: 50 dB SPL			
74	Peak	71	
71	1000 Hz	68	
68	1600 Hz	60	
67	Average (DIN)	62	
	HF Average (ANSI)	65	
<b>Frequency Range, Hz</b>			
120-5400	DIN/ANSI	100-5300	
<b>Telecoil output, dB SPL</b>			
97	1 mA/m field, 1600 Hz	89	
119	10 mA/m field, 1600 Hz	111	
	SPLITS (ANSI)	110	

**Total harmonic distortion, %**  
Reference setting. Input: 70 dB SPL

IEC	Hz	ANSI
4.0	500, typical	2.0
3.0	800, typical	1.0
1.0	1600, typical	0.5

**Equivalent input noise level (ANSI), dB SPL**

18	Typical/maximum	17/21
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**Battery consumption, mA**

1.0/1.3	Quiescent, typical/maximum	1.0/1.3
1.1	IEC	1.1
	ANSI	1.2

**Battery**

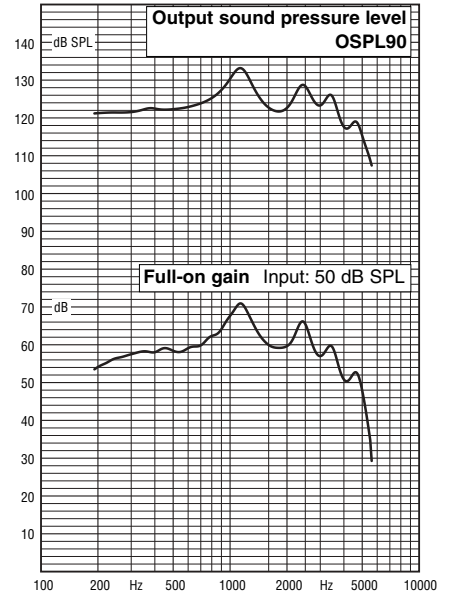
Size 13 (IEC PR48)		
<b>Estimated life in hours</b>	<b>Typ</b>	<b>Min</b>
1.4 V Zinc air	220	185

**EMC Immunity (IEC 118-13)**

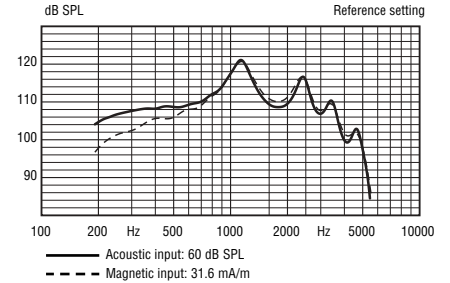
IRIL, dB SPL	Field strength, (V/m)
<b>GSM/DECT</b>	<b>GSM/DECT</b>
-12/12	Microphone
-8/23	Telecoil

**2cc coupler**

Measured according to IEC publications 118-7 (incl. amendments) and 126 and to ANSI S3.22 (1996) and S3.7 (1973).

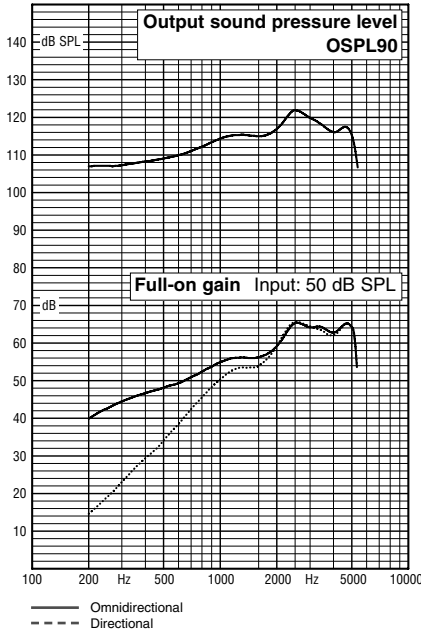


**Frequency response with magnetic and acoustic input**

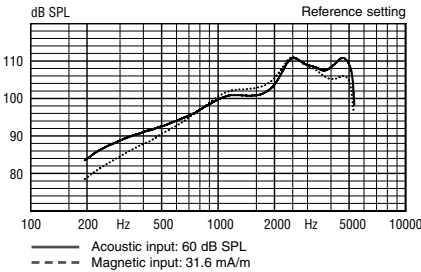


### Ear simulator

Measured according to IEC publications 118-0, -1, -2, -6, -13 (incl. amendments) and 711

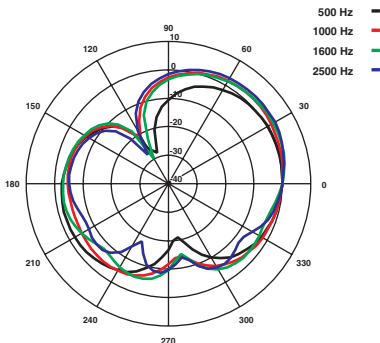


### Frequency response with magnetic and acoustic input



### Polar Plot

Left ear



### Data at a glance

**Note:** Measurements with pure tones on a digital hearing instrument can show a wavy HF-response due to the constant time delay that causes a series of full phase shifts in narrow frequency bands. Unless otherwise stated all measurements are in the Omnidirectional program.

Ear Simulator OSPL90	Output, dB SPL	2cc Coupler SSPL90
122	Peak	115
115	1000 Hz	110
115	1600 Hz	108
114	Average (DIN)	108
	HF Average (ANSI)	111

Full-on gain, dB		
Input: 50 dB SPL		
66	Peak	57
55	1000 Hz	50
56	1600 Hz	49
54	Average (DIN)	48
	HF Average (ANSI)	52

Frequency Range, Hz		
220-5400	DIN/ANSI	120-5400

Telecoil output, dB SPL		
85	1 mA/m field, 1600 Hz	78
108	10 mA/m field, 1600 Hz	101
	SPLITS (ANSI) Right ear	95
	SPLITS (ANSI) Left ear	92

Total harmonic distortion, %		
Reference setting. Input: 70 dB SPL		
IEC	Hz	ANSI
1.5	500, typical	1.0
1.5	800, typical	1.0
1.0	1600, typical	1.0

Equivalent input noise level (ANSI), dB SPL		
20	Typical/maximum, Omni	16/20
23	Typical/maximum, Dir	19/23

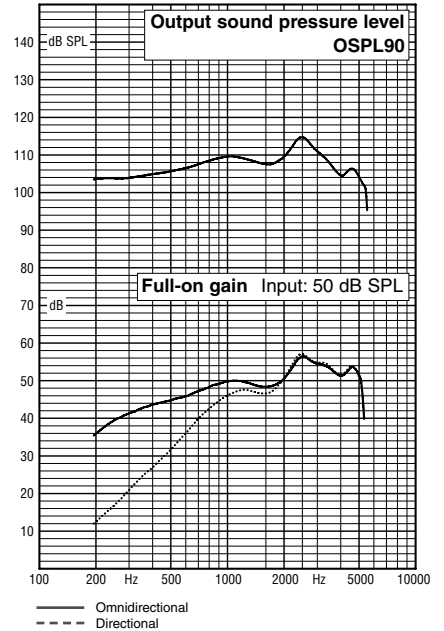
Battery consumption, mA		
1.1/1.3	Quiescent, typical/maximum	1.1/1.3
1.1	IEC	1.1
	ANSI	1.1

Battery		
Size 13 (IEC PR48)		
Estimated life in hours		
	Typ	Min
1.4 V Zinc air	220	185

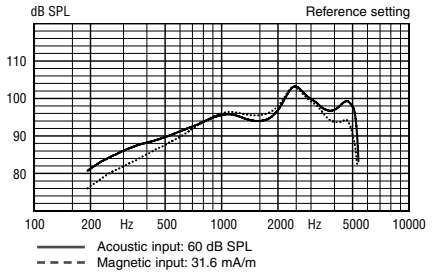
EMC Immunity (IEC 118-13)		
IRIL, dB SPL	Field strength, (V/m)	
GSM/DECT	GSM/DECT	
-10/25	Microphone (Omni)	3/2
-20/10	Microphone (Dir)	3/2
10/5	Telecoil	3/2

### 2cc coupler

Measured according to IEC publications 118-7 (incl. amendments) and 126 and to ANSI S3.22 (1996) and S3.7 (1973)



### Frequency response with magnetic and acoustic input



# 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 hearing impaired people first in our development of new hearing care solutions.