Beltone **Achieve**™



IMP86-DWC



IMP86-DWC Metal Hook

Model	IMP1786-DWC	IMP986-DWC	IMP686-DWC	IMP486-DWC
Device Configurations				
Battery size	Rechargeable Lithium-Ion			
Control Options	PB and VC			
IP Classification	IP68			
Audiological Features				
Number of Channels	17	14	12	12
CrossLink Directionality 4	●	–	–	–
CrossLink Directionality 3	–	●	–	–
CrossLink Directionality 2	–	–	●	–
CrossLink Directionality	–	–	–	●
Personal Sound ID	●	●	●	–
Ultra Focus 2	●	–	–	–
Ultra Focus	–	●	–	–
Synchronised Speech Spotter	●	●	●	●
Smart Gain Pro	●	–	–	–
Smart Gain	–	●	●	–
Sound Cleaner	5 settings	3 settings	2 settings	On/Off
Silencer	3 settings	2 settings	On/Off	On/Off
Impulse Noise Reduction	3 settings	3 settings	On/Off	On/Off
Wind Noise Reduction	3 settings	2 settings	On/Off	On/Off
Sound Shifter	●	●	●	●
Feedback Eraser 2	●	●	●	●
Synchronised SATISFY	●	●	●	●
Tinnitus Breaker Pro	●	●	●	●
Functional Features				
Ear to Ear Communication	●	●	●	●
Direct audio streaming	●	●	●	●
Direct Audio Input (DAI)	●	●	●	●
Telecoil (TC)	●	●	●	●
Beltone TV Link 2, Remote Control, Remote Control 2, Phone Link 2, myPAL Micro and myPAL Pro	●	●	●	●
Beltone HearMax™ app	●	●	●	●
Sound Enhancer (Beltone HearMax™ app)	●	–	–	–
Remote Care Fine Tuning and Updates				
Remote Fine Tuning	●	●	●	●
Beltone Remote Care Live	●	●	●	●
Remote Firmware Updates	●	●	●	●
Fitting Features				
Beltone Solux Max™ 1.16 or higher	●	●	●	●
Fully Flexible Programs	4	4	4	4
Safeguard Feedback Control	●	●	●	●
Datalogging	●	●	●	●
Wireless Fitting with Noahlink Wireless	●	●	●	●



Charger



Charging cable



AC/DC Adaptor
(EU example)

Technical data	Desktop Charger
Dimensions	82 mm x 36 mm x 46 mm / 3.2” x 1.4” x 1.8”
Weight	82 grams / 2.9 oz
Power Supply	USB power supply, 5 V
Charging form factor (CFF)	80
Charging time for Hearing Instrument	< 40 °C (104F): 3 hours, depending on initial state of the battery
Wireless frequency between Hearing Instrument and Charger	2.4 GHz and 333 kHz
ESD tolerance	According to IEC 61000-4-2 Electrostatic discharge immunity test standard
Operating & Charging temperature	+ 5 °C (41F) to + 40 °C (104F) at a relative humidity range of 15% to 90%, non-condensing
Storage temperature for charger and Hearing Instrument	– 25 °C (-13F) to + 5 °C (41F), + 5 °C (41F) to + 35 °C (95F) at a relative humidity up to 90%, non-condensing, > 35 °C (95F) to 70 °C (158F) at a water vapour pressure up to 50 hPa

Made for iPhone | iPad | iPod

Works with Android

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Beltone™

402148000GB-25.02-Rev.D

Worldwide Headquarters
Beltone A/S
Lautrupbjerg 7
DK-2750 Ballerup, Denmark
Tel.: +45 45 75 11 11
beltone.com

CVR no. 55082715

Australia
GN Hearing Australia Pty Ltd
Suite 1001, Level 1
1 Julius Avenue
North Ryde, NSW 2113
Tel.: (free) 1800 658 955
beltone.com/en-au

New Zealand
GN Hearing New Zealand Limited Ground
Floor, North Entrance
4 Fred Thomas Drive
Takapuna, Auckland, 0622
Tel.: (free) 0800 900 126
beltone.com

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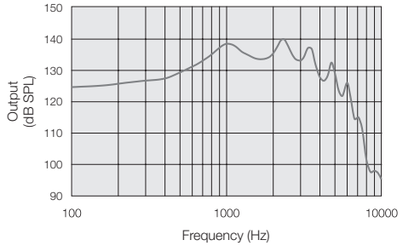
Technical Specifications

		IMP86-DWC IEC 60118-0: 1983_ AMD1:1994 IEC 60118-0:2015 IEC 711 Ear simulator	IMP86-DWC ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	57	52	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	75 67	67 61	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	140 134	133 129	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.7 1.3 0.4	0.7 0.6 0.3	%
Telecoil sensitivity (1 mA/m input)	Max.	105	97	
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	121	112	dB SPL
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	97	92	
Equivalent input noise, w/o Noise reduction		23	20	dB SPL
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	11	10	dB SPL
Frequency range IEC60118-0:2015*		100-6440	100-5170	Hz
Battery Lifetime (Battery type Rechargeable)**		30 (Max) 24 (Typ)	30 (Max) 24 (Typ)	Hours

* Measured according to IEC 60118-0:2015, with 711-Ear simulator coupler.
** Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.

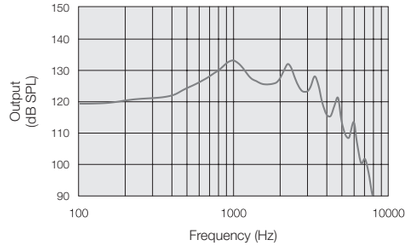
IEC 60118-0: 1983_AMD1:1994
IEC 711 Ear Simulator

Maximum Output (OSPL 90)

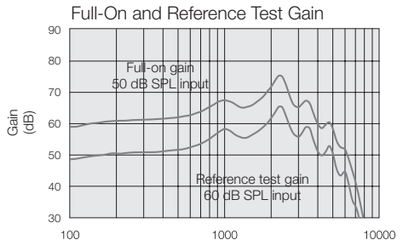


ANSI S3.22-2014
IEC 60118-0:2015
JIS C 5512: 2015
2cc coupler

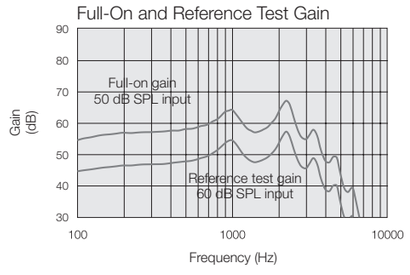
Maximum Output (OSPL 90)



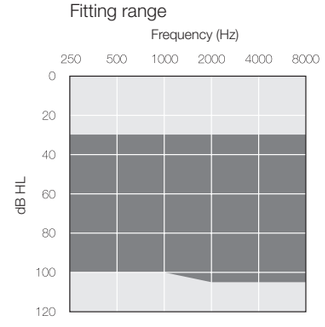
Full-On and Reference Test Gain



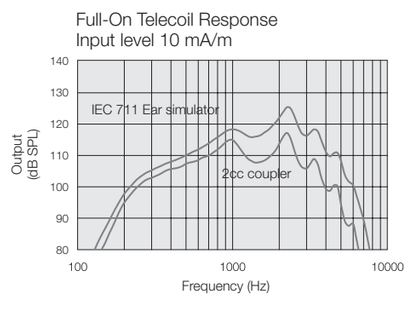
Full-On and Reference Test Gain



Fitting range



Full-On Telecoil Response
Input level 10 mA/m



Patents pending.

All specifications are subject to change without notice.

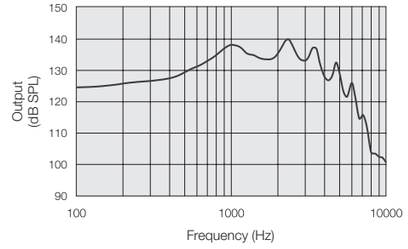
Technical Specifications

		IMP86-DWC - Metal hook*** IEC 60118-0: 1983_ AMD1:1994 IEC 60118-0:2015 IEC 711 Ear simulator	IMP86-DWC - Metal hook*** ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	
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Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	80 72	73 67	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	140 134	133 129	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	1.0 1.8 0.5	0.7 1.0 0.4	%
Telecoil sensitivity (1 mA/m input)	Max.	110	102	
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	122	112	dB SPL
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	103	97	
Equivalent input noise, w/o Noise reduction		23	20	dB SPL
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	11	11	dB SPL
Frequency range IEC60118-0:2015*		100-5430	100-4970	Hz
Battery Lifetime (Battery type Rechargeable)**		30 (Max) 24 (Typ)	30 (Max) 24 (Typ)	Hours

* Measured according to IEC 60118-0:2015, with 711-Ear simulator coupler.
** Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.
*** Metal hook version of IMP86-DWC models are configured in fitting software with the metal hook accessory.

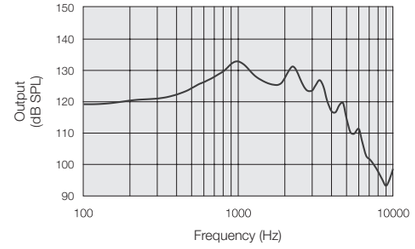
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IEC 711 Ear Simulator

Maximum Output (OSPL 90)

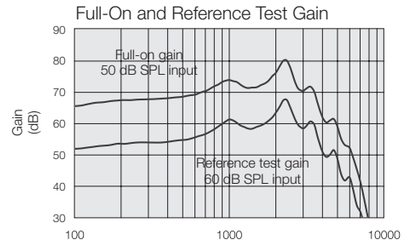


ANSI S3.22-2014
IEC 60118-0:2015
JIS C 5512: 2015
2cc coupler

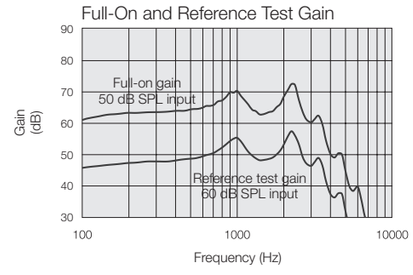
Maximum Output (OSPL 90)



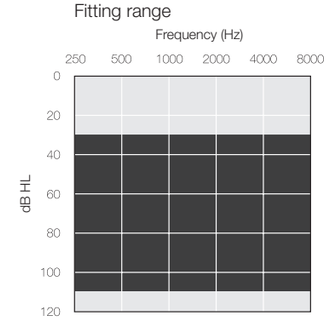
Full-On and Reference Test Gain



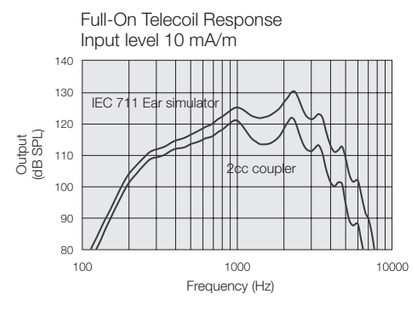
Full-On and Reference Test Gain



Fitting range



Full-On Telecoil Response
Input level 10 mA/m



Patents pending.

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