Beltone **Serene**™



Closed Open

Model	SER1776-DWC	SER976-DWC	SER676-DWC	SER476-DWC*
Device Configurations				
Battery size	Rechargeable Lithium-Ion			
Control Options	Push button			
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	●	●	●	●
Bluetooth® Auracast™	●	●	●	●
Direct audio streaming (compatible iOS** and Android™ devices)	●	●	●	●
Telecoil	●	●	●	●
TV-Streamer+	●	●	●	●
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™ 1.18 or higher	●	●	●	●
Fully Flexible Programs	4	4	4	4
Safeguard Feedback Control	●	●	●	●
Datalogging	●	●	●	●
Wireless Fitting with Noahlink Wireless	●	●	●	●

* Availability of models may vary by country.
** MFi supports hands-free calls for iPhone 11 or later, iPad Pro 12.9-inch (5th generation), iPad Pro 11-inch (3rd generation), iPad Air (4th generation), iPad mini (6th generation), iPad (10th generation) or later, with software updates iOS 15.3 and iPadOS 15.3 or later.



Charger



Charging cable



AC/DC Adaptor (EU example)

Technical data	Desktop Charger
Dimensions	82,0 mm x 36,0 mm x 45,3 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)	70
Charging time for Hearing Instrument	< 35 °C (95F): 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 + 35 °C (95F) 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 60 °C (140F) at a water vapour pressure up to 50 hPa

Made for iPhone | iPad | iPod

Works with Android

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Beltone™

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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

Beltone™

Technical Specifications

		SER76-DWC (Closed) IEC 60118-0: 1983_ AMD1:1994 IEC 60118-0:2015 IEC 711 Ear simulator	SER76-DWC (Closed) ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	46	45	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	67 56	60 53	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	135 126	128 122	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.4 1.0 0.8	0.3 0.7 0.6	%
Telecoil sensitivity (1 mA/m input)	Max.	98	91	
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	110	105	dB SPL
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	87	83	
Equivalent input noise, w/o Noise reduction		25	20	dB SPL
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	10	10	dB SPL
Frequency range		<200 - 7960	<200 - 6240	Hz
Battery Lifetime (Battery type Rechargeable)*		30 (Max) 24 (Typ)	30 (Max) 24 (Typ)	Hours

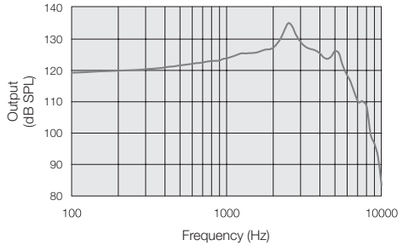
* Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.

Patents pending.

All specifications are subject to change without notice.

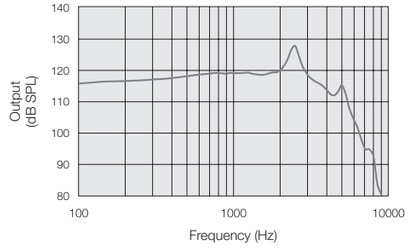
IEC 60118-0: 1983_AMD1:1994
IEC 711 Ear Simulator

Maximum Output (OSPL 90)

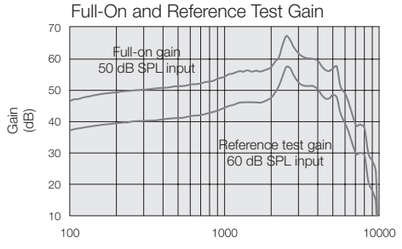


ANSI S3.22-2014
IEC 60118-0:2015
JIS C 5512: 2015
2cc coupler

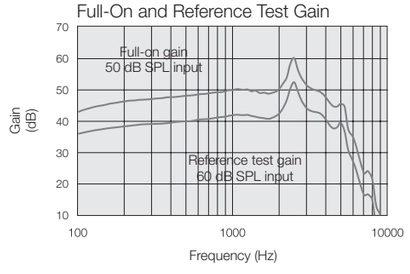
Maximum Output (OSPL 90)



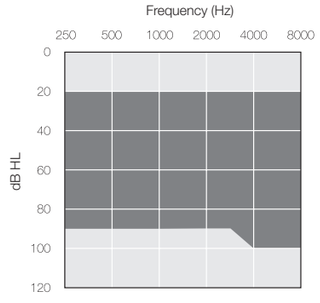
Full-On and Reference Test Gain



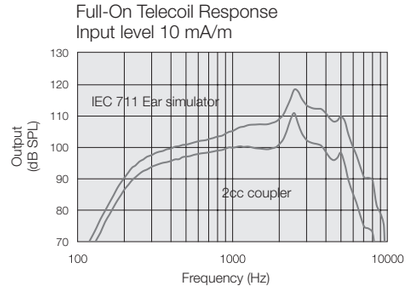
Full-On and Reference Test Gain



Fitting range



Full-On Telecoil Response
Input level 10 mA/m



Technical Specifications

		SER76-DWC (Open) IEC 60118-0: 1983_ AMD1:1994 IEC 60118-0:2015 IEC 711 Ear simulator	SER76-DWC (Open) ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	41	40	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	62 52	53 47	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	131 121	127 116	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.2 0.2 0.9	0.1 0.1 0.7	%
Telecoil sensitivity (1 mA/m input)	Max.	94	85	
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	105	100	dB SPL
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	83	78	
Equivalent input noise, w/o Noise reduction		25	22	dB SPL
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	9	9	dB SPL
Frequency range		<200 - >8000	<200 - 6990	Hz
Battery Lifetime (Battery type Rechargeable)*		30 (Max) 24 (Typ)	30 (Max) 24 (Typ)	Hours

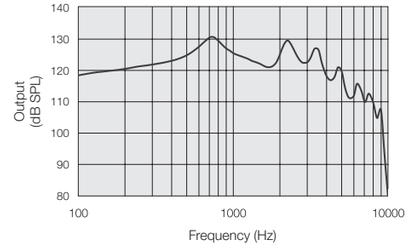
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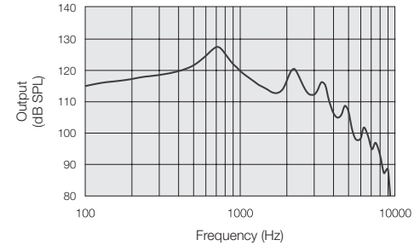
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Maximum Output (OSPL 90)

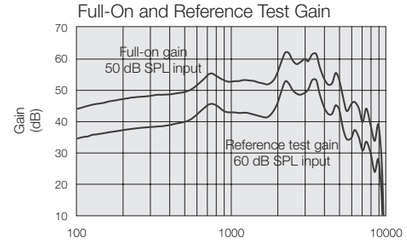


ANSI S3.22-2014
IEC 60118-0:2015
JIS C 5512: 2015
2cc coupler

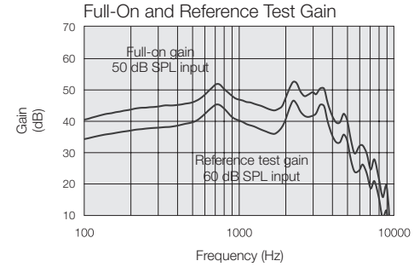
Maximum Output (OSPL 90)



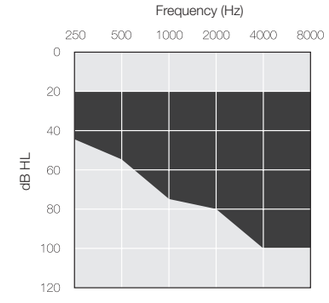
Full-On and Reference Test Gain



Full-On and Reference Test Gain



Fitting range



Full-On Telecoil Response
Input level 10 mA/m

