

ReSound LiNX²



Product Description

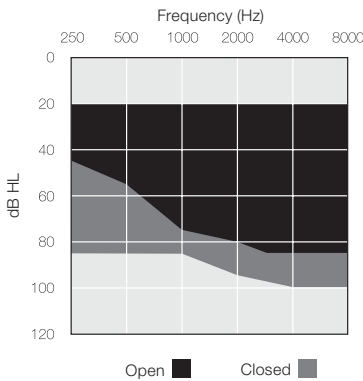
Model 77 Behind-the-Ear (BTE) hearing instruments support open or closed configurations.

ReSound's SmartRange™ dual processing platform enables Surround Sound by ReSound™ sound quality.

The 3rd generation 2.4 GHz wireless functionality of the SmartRange platform features Bluetooth® 4.0, allowing the hearing instruments to communicate with each other and to connect to iPhone®, iPad® and iPod touch®. ReSound LiNX² also supports ReSound's full line of ReSound Unite™ accessories. The 77 model features telecoil and Direct Audio Input (DAI).

All ReSound LiNX² BTE hearing instruments are iSolate™ nanotech-coated for optimum durability.

Fitting Range



Model	LS977-DW LS977-DWT	LS777-DW LS777-DWT	LS577-DW LS577-DWT
Device Features			
Battery size	13		
Colors available	14		
Functional Features			
Fully flexible programs	4	4	4
Synchronized push button	●	●	●
Synchronized volume control	●	●	●
SmartStart™	●	●	●
PhoneNow™	●	●	●
Comfort Phone™	●	●	●
Ear-to-Ear communication	●	○	○
Direct audio streaming (Made for iPhone)	●	●	●
ReSound Unite™ TV Streamer 2, Remote Control 2, Phone Clip+, Mini Microphone	●	●	●
ReSound Control™ app (Phone Clip+ required)	●	●	●
ReSound Smart™ app	●	●	●
Audiological Features			
WARP compression - number of channels	17	17	9
Environmental Classifier	●	●	●
Binaural Directionality™ II	●		
Spatial Sense™	●		
Binaural Directionality™		●	
Directional Mix Processor	●	●	●
-Adjustable directional mix	●	●	
Natural Directionality™ II		●	●
Synchronized SoftSwitching™	●	●	
Softswitching™			●
Autoscope Adaptive Directionality™	●		
Multiscope Adaptive Directionality™		●	
Adaptive Directionality™			●
Binaural Environmental Optimizer™ II	●		
Environmental Optimizer		●	
NoiseTracker™ II	●	○	○
Expansion	●	○	○
Windguard™	●	○	○
Sound Shaper	●	●	●
DFS Ultra™ II	●	●	●
-Music Mode™	●	●	●
Auto DFS™	●	●	●
Synchronized Acceptance Manager	●	●	●
Tinnitus Sound Generator	●	●	●
Fitting Features			
Fitting software Aventa 3.8 or higher	●	●	●
Onboard Analyzer™ II	●	●	●
In Situ Audiometry	●	●	●
Wireless fitting with Airlink™	●	●	●

○ Basic
● Advanced
● Ultimate



ReSound LiNX² is compatible with iPhone 6, iPhone 6 Plus, iPhone 5s, iPhone 5c, iPhone 5, iPad Air 2, iPad Air, iPad (4th generation), iPad mini 3, iPad mini 2, iPad mini with Retina display, iPad mini and iPod touch (5th generation) using iOS 7.X or later. Apple, the Apple logo, iPhone, iPad and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

ReSound

rediscover hearing

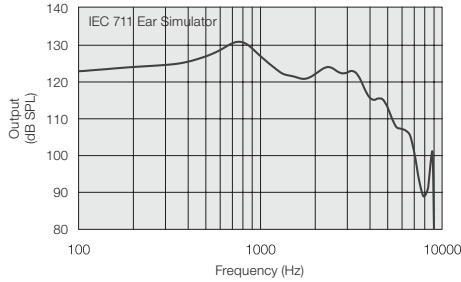
Technical Specifications

LS77-DWT

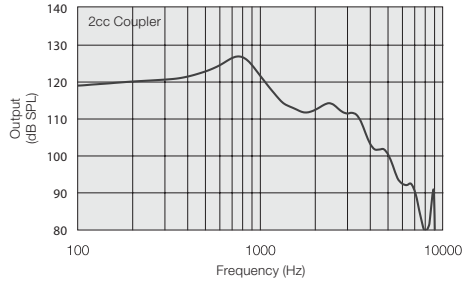
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	45	38	dB
Full-on gain (50 dB SPL input)	Max.	62	51	dB
	1600 Hz/HFA	54	48	
Maximum output (90 dB SPL input)	Max.	131	127	dB SPL
	1600 Hz/HFA	121	116	
Total harmonic distortion	500 Hz	0.5	0.2	%
	800 Hz	0.5	0.2	
	1600 Hz	0.9	0.6	
Telecoil sensitivity (1 mA/m input)	Max.	94		dB SPL
HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA		100	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	87	80	
Equivalent input noise		25	22	dB SPL
Frequency range (DIN 45605/ANSI)		100-6920	100-6810	Hz
Current drain (Test mode)		1.2	1.2	mA

Data in accordance with IEC 60118-0, IEC 60118-7 and ANSI S3.22-2009; supply voltage 1.3 V.

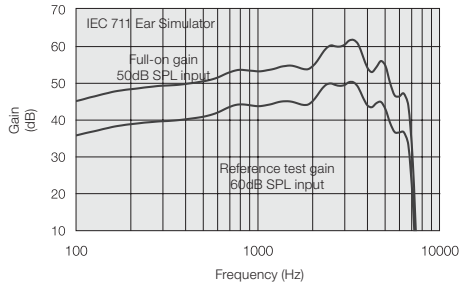
Maximum Output (OSPL 90)



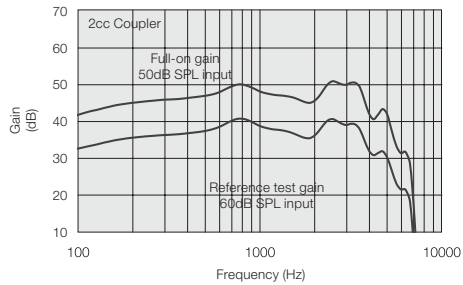
Maximum Output (OSPL 90)



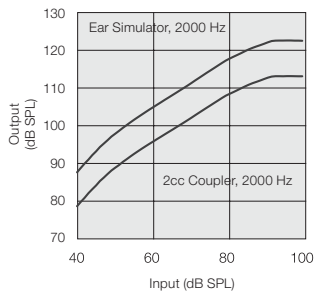
Full-On and Reference Test Gain



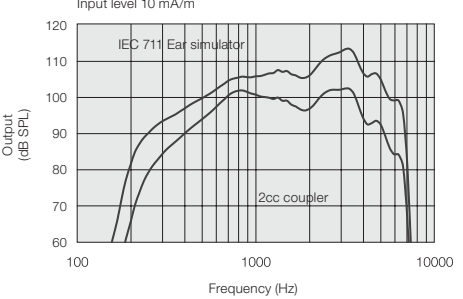
Full-On and Reference Test Gain



Input/Output Response



Full-On Telecoil Response



Notes:
 O.E.S. = Occluded Ear Simulator
 2cc = 2 cm³ coupler
 Pi = Acoustic input signal

Basic settings:
 Full-on Gain, Reference Test Gain
 MPO = Maximum Power Output
 Maximum Band Width

Measured according to IEC 60 118-0 1983, amendment 1994; at 1.3 V, impedance 6.2 ohms and 23°C on O.E.S. according to IEC711 1981, resp on 2cc according to IEC60118-7 2nd edition 2005 and ANSI S3.22-2009 (HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dB SPL sound pressure equals 20µPa). All measurements without DSP features activated unless indicated otherwise.

Patents pending

All specifications are subject to change without notice

Technical Specifications

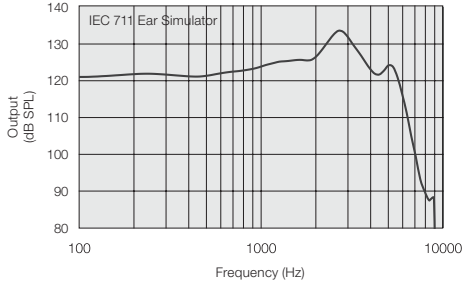
LS77-DW

		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	48	43	dB
Full-on gain (50 dB SPL input)	Max.	66	57	dB
	1600 Hz/HFA	58	53	
Maximum output (90 dB SPL input)	Max.	134	124	dB SPL
	1600 Hz/HFA	126	121	
Total harmonic distortion	500 Hz	0.4	0.4	%
	800 Hz	1.4	0.8	
	1600 Hz	0.9	0.7	
Telecoil sensitivity (1 mA/m input)	Max.	98		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	105	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	90	85	
Equivalent input noise		25	20	dB SPL
Frequency range (DIN 45605/ANSI)		100-6560	100-6140	Hz
Current drain		1.2	1.2	mA

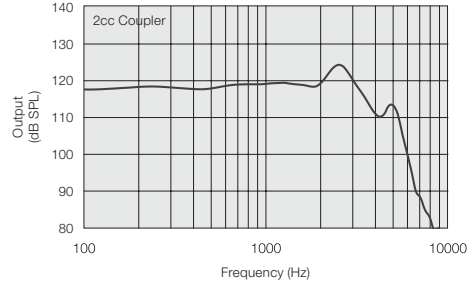
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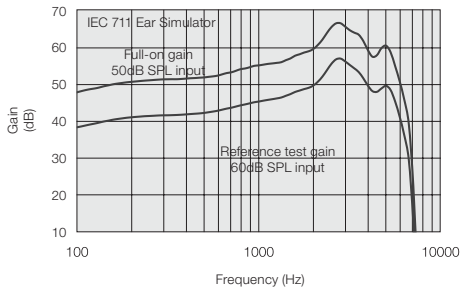
Maximum Output (OSPL 90)



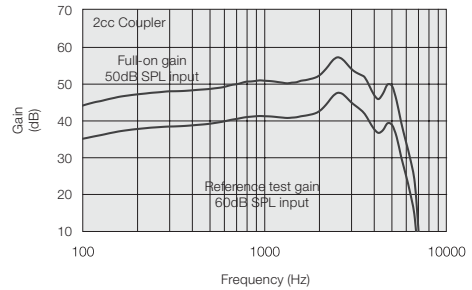
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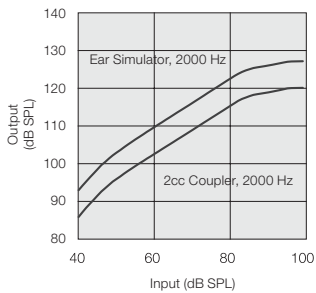
Full-On and Reference Test Gain



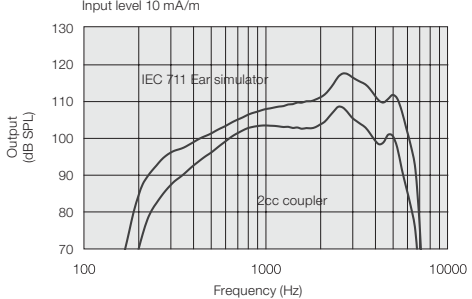
Full-On and Reference Test Gain



Input/Output Response



Full-On Telecoil Response



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