

ReSound LiNX²



LSITE

Product Description

In-the-Ear (ITE) hearing instruments are available in 3 power levels: Medium (MP), High (HP) and Ultra (UP).

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 wireless custom hearing instruments to connect to iPhone®, iPad® and iPod touch®. ReSound LiNX² wireless custom hearing instruments also support ReSound's full line of ReSound Unite™ accessories.

The custom hearing instrument faceplates and the associated components are iSolate™ nanotech-coated for optimum durability.

Model	LS9ITE*	LS7ITE**	LS5ITE***
Device Features			
Battery size	13		
Custom power levels	MP, HP & UP		
Colors available	5		
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	14	12
Environmental Classifier	●	●	●
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	●	●	●
Low Frequency Boost (UP receiver only)	●	⊙	○
DFS Ultra™ II	●	●	●
-Music Mode™	●	●	●
Auto DFS™	●	●	●
Synchronized Acceptance Manager	●	●	●
Amplification strategy (WDR/ Semilinear/Linear - UP models only)	●	⊙	○
Tinnitus Sound Generator	●	●	●
Fitting Features			
Fitting software Aventa 3.8 or higher	●	●	●
Onboard Analyzer™ II	●	●	●
Wireless fitting with Airlink™	●	●	●
*LS9ITE-DW UP, LS9ITE-DW HP, LS9ITE-DW MP, LS9ITE-D UP, LS9ITE-D HP, LS9ITE-D MP, LS9ITE-W UP, LS9ITE-W HP, LS9ITE-W MP, LS9ITE UP, LS9ITE HP, LS9ITC MP			
**LS7ITE-DW UP, LS7ITE-DW HP, LS7ITE-DW MP, LS7ITE-D UP, LS7ITE-D HP, LS7ITE-D MP, LS7ITE-W UP, LS7ITE-W HP, LS7ITE-W MP, LS7ITE UP, LS7ITE HP, LS7ITE MP			
***LS5ITE-DW UP, LS5ITE-DW HP, LS5ITE-DW MP, LS5ITE-D UP, LS5ITE-D HP, LS5ITE-D MP, LS5ITE-W UP, LS5ITE-W HP, LS5ITE-W MP, LS5ITE UP, LS5ITE HP, LS5ITE MP			

○ Basic
⊙ Advanced
● Ultimate

Patents pending

All specifications are subject to change without notice

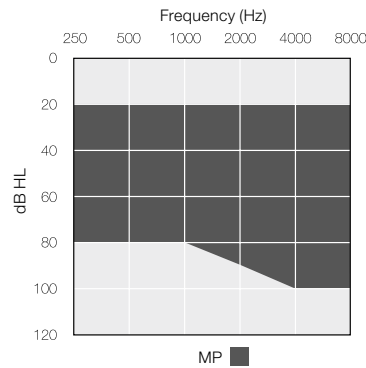
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Technical Specifications

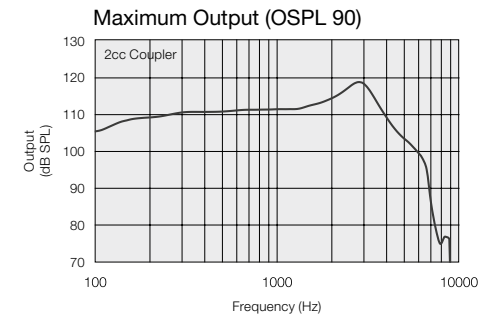
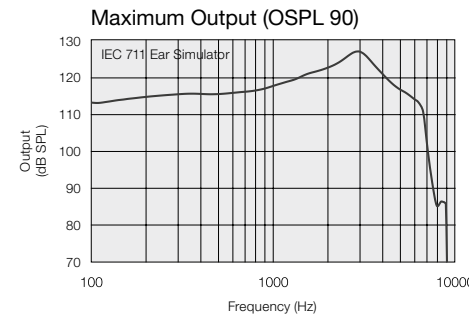
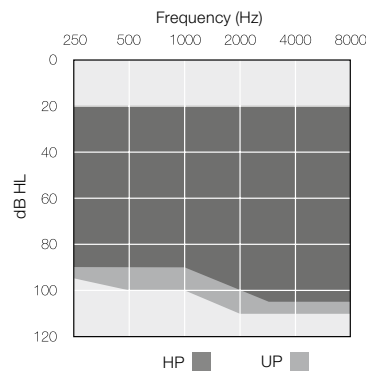
		LSITE (MP)		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	40	36	dB
Full-on gain (50 dB SPL input)	Max.	59	50	dB
	1600 Hz/HFA	50	45	
Maximum output (90 dB SPL input)	Max.	127	119	dB SPL
	1600 Hz/HFA	121	113	
Total harmonic distortion	500 Hz	0.5	0.7	%
	800 Hz	0.9	0.8	
	1600 Hz	1.0	0.9	
Telecoil sensitivity (1 mA/m input)	Max.	88	96	dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	74	
Full-on telecoil sensitivity @ 1 mA/m	1600 Hz/HFA	81	74	
Equivalent input noise		24	21	dB SPL
Frequency range (DIN 45605/ANSI)		100-7170	100-7110	Hz
Current drain		1.1	1.3	mA

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

Fitting Range - Closed



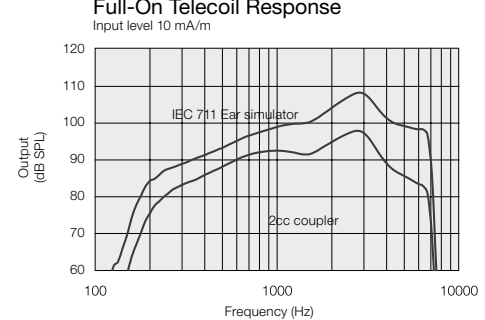
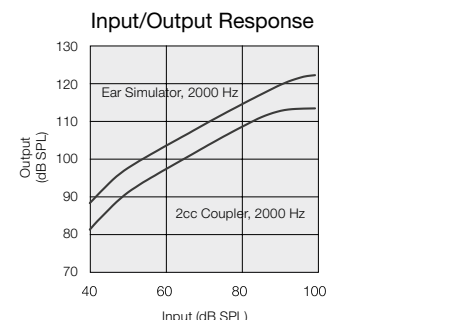
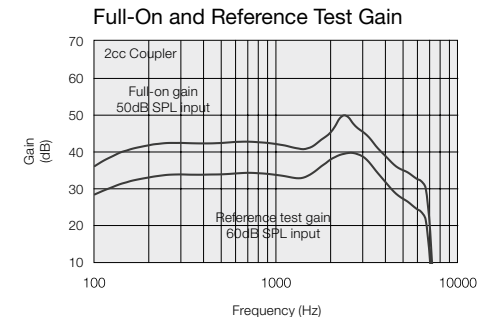
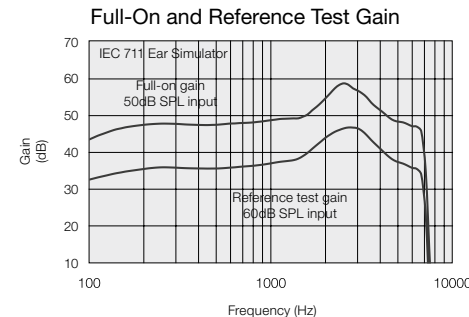
Fitting Range - Closed



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 60118-0 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.



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.



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Technical Specifications

		LSITE (HP)		
		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	47	43	dB
Full-on gain (50 dB SPL input)	Max.	69	60	dB
	1600 Hz/HFA	59	54	
Maximum output (90 dB SPL input)	Max.	130	121	dB SPL
	1600 Hz/HFA	126	120	
Total harmonic distortion	500 Hz	0.6	0.4	%
	800 Hz	1.3	0.7	
	1600 Hz	0.8	0.5	
Telecoil sensitivity (1 mA/m input)	Max.	98		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	103	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	88	83	
Equivalent input noise		22	20	dB SPL
Frequency range (DIN 45605/ANSI)		100-6930	100-6770	Hz
Current drain (Test mode)		1.2	1.3	mA

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

Technical Specifications

		LSITE (UP)		
		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	59	49	dB
Full-on gain (50 dB SPL input)	Max.	79	70	dB
	1600 Hz/HFA	70	63	
Maximum output (90 dB SPL input)	Max.	137	130	dB SPL
	1600 Hz/HFA	136	125	
Total harmonic distortion	500 Hz	0.5	0.5	%
	800 Hz	1.4	1.0	
	1600 Hz	0.4	0.2	
Telecoil sensitivity (1 mA/m input)	Max.	106		dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	109	
Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	99	93	
Equivalent input noise		24	20	dB SPL
Frequency range (DIN 45605/ANSI)		140-4720	100-4700	Hz
Current drain		1.1	1.2	mA

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

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