

ReSound LiNX²



Product Description

Mic-in-Helix 10A (MIH-S) hearing instruments are available in 4 power levels: Low (LP), Medium (MP), High (HP) and Ultra (UP).

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

ReSound LiNX² MIH-S models is a cosmetic offering focused on small size and discrete appearance.

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

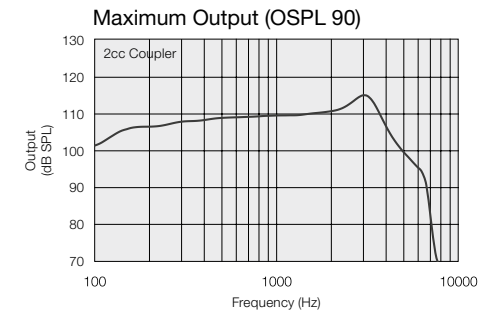
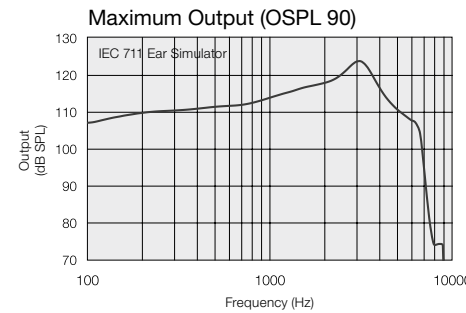
Model	LS9MIH-S*	LS7MIH-S**	LS5MIH-S***
Device Features			
Battery size	10A		
Custom power levels	LP, MP, HP & UP		
Colors available	5		
Functional Features			
Fully flexible programs	4	4	4
Push button	●	●	●
Volume control	●	●	●
SmartStart™	●	●	●
PhoneNow™	●	●	●
Audiological Features			
WARP compression - number of channels	17	17	9
Environmental Classifier	●	●	●
Environmental Optimizer	●	●	●
NoiseTracker™ II	●	○	○
Expansion	●	○	○
Windguard™	●	○	○
Sound Shaper	●	●	●
Low Frequency Boost (UP models only)	●	○	○
DFS Ultra™ II	●	●	●
-Music Mode™	●	●	●
Auto DFS™	●	●	●
Acceptance Manager	●	●	●
Amplification strategy (WDRC/Semilinear/Linear - UP models only)	●	○	○
Tinnitus Sound Generator	●	●	●
Fitting Features			
Fitting Software Aventa 3.8 or higher	●	●	●
Onboard Analyzer™ II	●	●	●
*LS9MIH-S UP, LS9MIH-S HP, LS9MIH-S MP, LS9MIH-S LP			
**LS7MIH-S UP, LS7MIH-S HP, LS7MIH-S MP, LS7MIH-S LP			
***LS5MIH-S UP, LS5MIH-S HP, LS5MIH-S MP, LS5MIH-S LP			

○ Basic
● Advanced
● Ultimate

Technical Specifications

		LSMIH-S (LP)		
		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	33	33	dB
Full-on gain (50 dB SPL input)	Max.	49	40	dB
	1600 Hz/HFA	43	38	
Maximum output (90 dB SPL input)	Max.	124	115	dB SPL
	1600 Hz/HFA	117	110	
Total harmonic distortion	500 Hz	0.4	0.6	%
	800 Hz	0.7	0.6	
	1600 Hz	0.8	1.0	
Telecoil sensitivity (1 mA/m input)	Max.	N/A	N/A	dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	N/A	N/A	
Full-on telecoil sensitivity @ 1 mA/m	HFA	N/A	N/A	dB SPL
	1600 Hz/HFA	N/A	N/A	
Equivalent input noise		22	21	dB SPL
Frequency range (DIN 45605/ANSI)		100-7120	100-6960	Hz
Current drain (Test mode)		1.1	1.2	mA

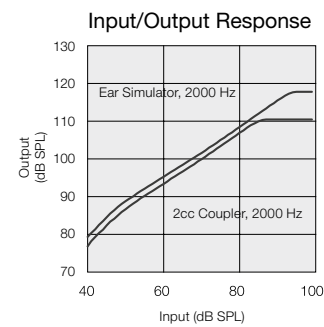
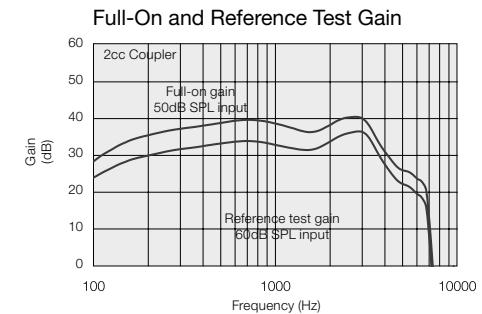
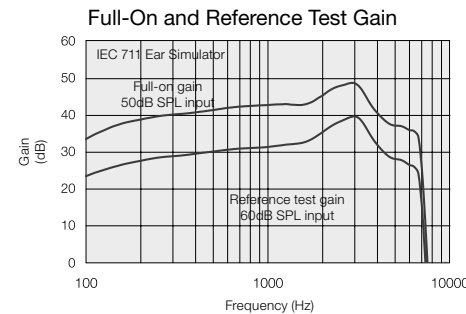
Data in accordance with IEC 60118-0, IEC 60118-7 and ANSI S3.22-2009; supply voltage 1.3 V.



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.

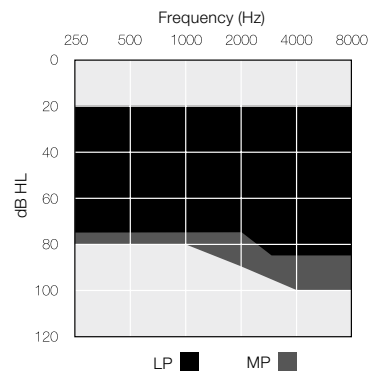


Patents pending

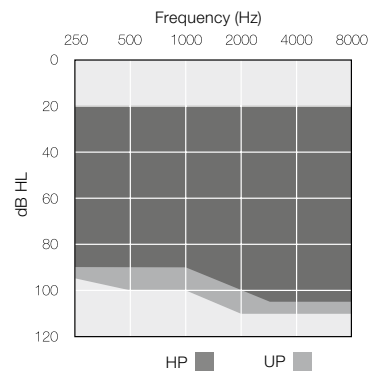
All specifications are subject to change without notice

400361011-US-15.01-Rev.A

Fitting Range - Closed



Fitting Range - Closed



Technical Specifications

		LSMIH-S (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.	N/A	N/A	dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	N/A	
	Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	N/A	
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.

Technical Specifications

		LSMIH-S (HP)		LSMIH-S (UP)		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	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	59	49	dB
Full-on gain (50 dB SPL input)	Max.	69	60	79	70	dB
	1600 Hz/HFA	59	54	70	63	
Maximum output (90 dB SPL input)	Max.	130	121	137	130	dB SPL
	1600 Hz/HFA	126	120	136	125	
Total harmonic distortion	500 Hz	0.6	0.4	0.5	0.5	%
	800 Hz	1.3	0.7	1.4	1.0	
	1600 Hz	0.8	0.5	0.4	0.2	
Telecoil sensitivity (1 mA/m input)	Max.	N/A	N/A	N/A	N/A	dB SPL
	HFA - SPLIV @ 31.6 mA/m (ANSI)	HFA	N/A	N/A	N/A	
	Full-on telecoil sensitivity @ 1mA/m	1600 Hz/HFA	N/A	N/A	N/A	
Equivalent input noise		22	20	24	20	dB SPL
Frequency range (DIN 45605/ANSI)		100-6930	100-6770	140-4720	100-4700	Hz
Current drain		1.2	1.2	1.1	1.1	mA

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

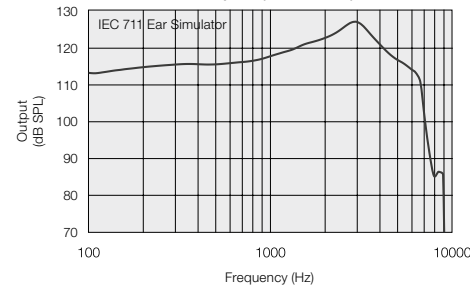
Patents pending

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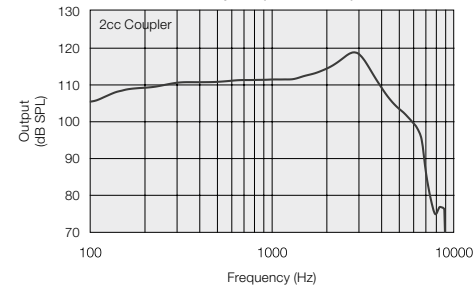
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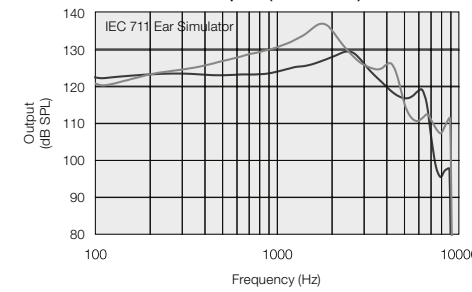
Maximum Output (OSPL 90)



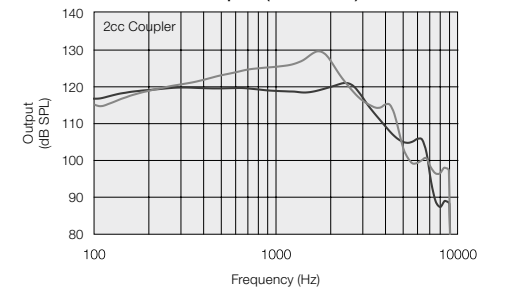
Maximum Output (OSPL 90)



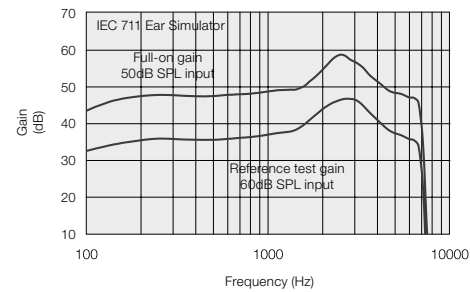
Maximum Output (OSPL 90)



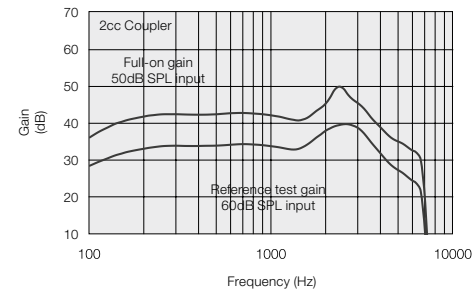
Maximum Output (OSPL 90)



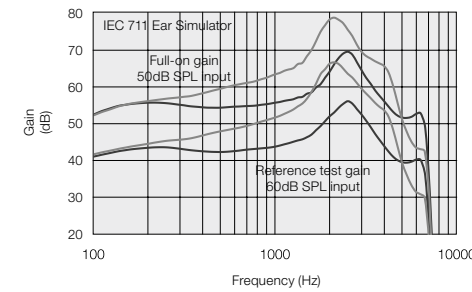
Full-On and Reference Test Gain



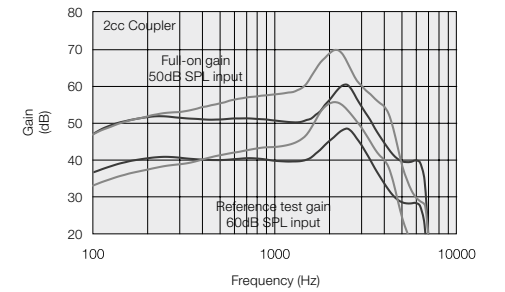
Full-On and Reference Test Gain



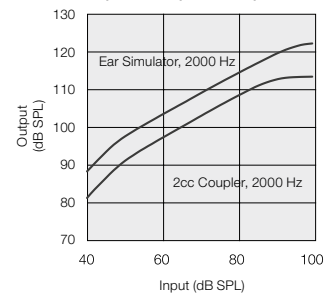
Full-On and Reference Test Gain



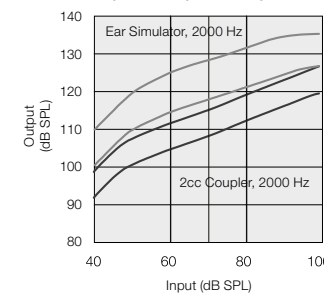
Full-On and Reference Test Gain



Input/Output Response



Input/Output Response



HP ■
UP ■