

ReSound LiNX 3D™



LTMiH-S

Product Description

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

The ReSound Smart Range C platform enables Surround Sound by ReSound.

The MIH-S model features options for Push Button and Volume Control.

The ReSound LiNX 3D MIH-S hearing aid components and faceplates are iSolate™ nanotech coated for optimum durability.

Model	LT9 MIH-S*	LT7 MIH-S**	LT5 MIH-S***
Device Configurations			
Battery size	10A		
Power levels	LP, MP, HP & UP		
Colors available	5		
Audiological Features			
WARP compression (WDRC) - number of channels	17	14	12
Environmental Optimizer II	●	-	-
Environmental Optimizer	-	●	-
Noise Tracker II	●	○	○
Expansion	●	○	○
Sound Shaper	●	●	●
DFS Ultra II	●	●	●
-Music Mode	●	●	●
Acceptance Manager	●	●	●
Low Frequency Boost (Only UP)	●	●	○
Amplification Strategy (WDRC/Semi-linear/Linear - Only UP)	●	●	○
Tinnitus Sound Generator	●	●	●
Functional Features			
Smart Start	●	●	●
Phone Now	●	●	●
Fitting Features			
Fitting Software Smart Fit™ 1.0 or higher	●	●	●
Fully Flexible Programs	4	4	4
Auto DFS	●	●	●
Onboard Analyzer II	●	●	●

*LT9MIH-S-UP, LT9MIH-S-HP, LT9MIH-S-MP, LT9MIH-S-LP
 **LT7MIH-S-UP, LT7MIH-S-HP, LT7MIH-S-MP, LT7MIH-S-LP
 ***LT5MIH-S-UP, LT5MIH-S-HP, LT5MIH-S-MP, LT5MIH-S-LP

○ Basic

○ Advanced

● Ultimate

Patents pending

All specifications are subject to change without notice

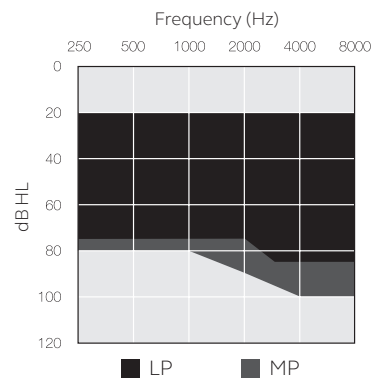
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Technical Specifications

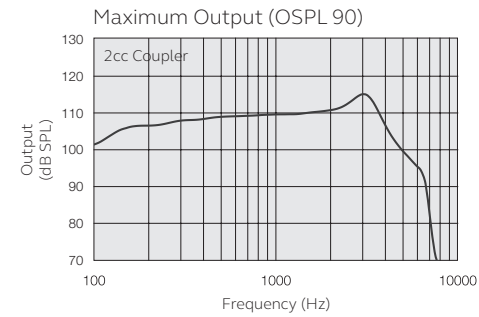
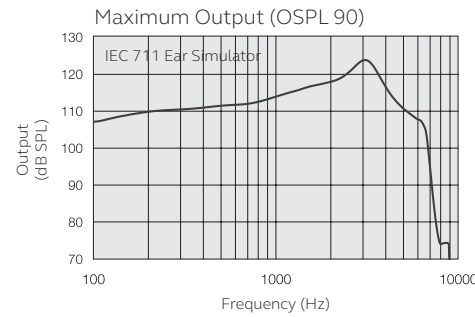
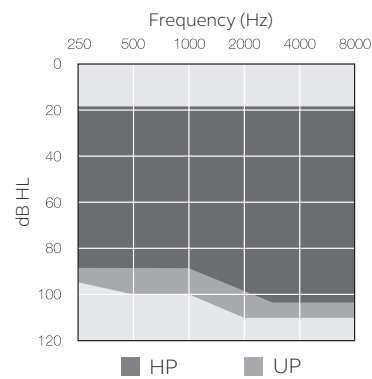
		LTMiH-S (LP)		
		IEC 60118-0 2nd IEC 711 Ear simulator	IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	33	33	dB
Full-on gain (50 dB SPL input)	Max.	49	40	dB
	1600 Hz/HFA	43	38	
Maximum output (90 dB SPL input)	Max.	124	115	dB SPL
	1600 Hz/HFA	117	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) HFA - SPLIV @ 31.6 mA/m (ANSI)	Max.	N/A	N/A	dB SPL
	HFA	N/A	N/A	
Full-on telecoil sensitivity @ 1mA/m	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		1.1	1.3	mA

Data in accordance with IEC60118-0 Edition3.0 2015-06, IEC60118-7 and ANSI S3.22-2009, supply Voltage 1.3V.

Fitting Range - Closed



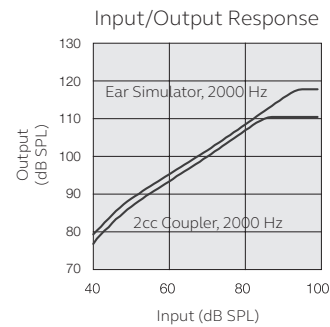
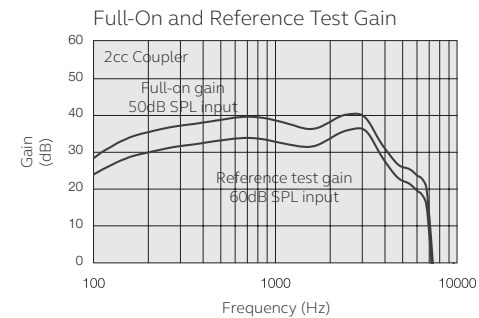
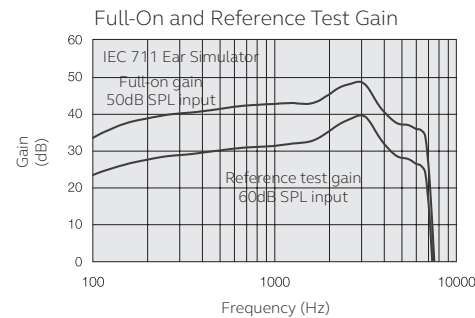
Fitting Range - Closed



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 IEC60118-0 Edition3.0 2015-06 at 1.3 V, impedance 6.2 ohms and 23°C on 2cc coupler. Resp. on 2cc according to IEC60118-7 Second edition 2005-10 and ANSI/ASA 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
 Measurement on O.E.S according to IEC711 1981 According to IEC60118-0 Edition 2 1983 and amendment 1 1994.



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Technical Specifications

		LTMIIH-S (MP)		
		IEC 60118-0 2nd IEC 711 Ear simulator	IEC 60118-0 3rd 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 IEC60118-0 Edition3.0
2015-06, IEC60118-7 and ANSI S3.22-2009, supply
Voltage 1.3V

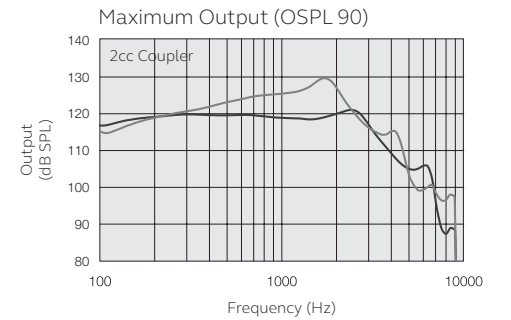
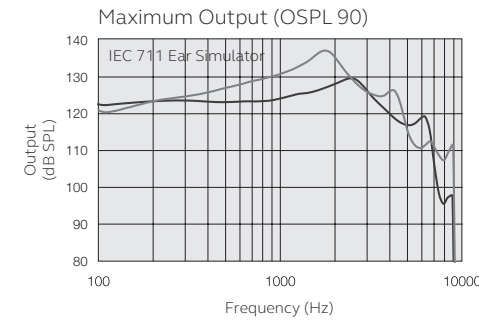
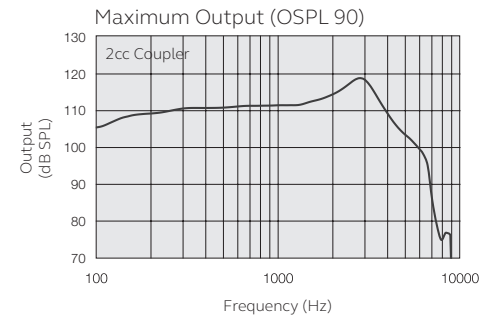
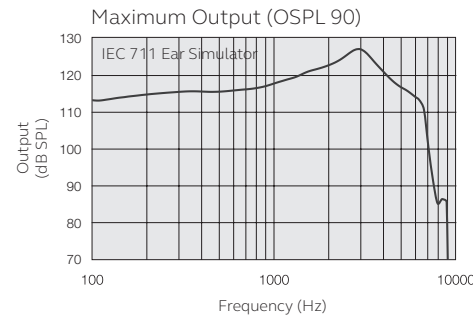
Technical Specifications

		LTMIIH-S (HP)		LTMIIH-S (UP)		
		IEC 60118-0 2nd IEC 711 Ear simulator	IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler	IEC 60118-0 2nd IEC 711 Ear simulator	IEC 60118-0 3rd 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 IEC60118-0 Edition3.0
2015-06, IEC60118-7 and ANSI S3.22-2009, supply
Voltage 1.3V

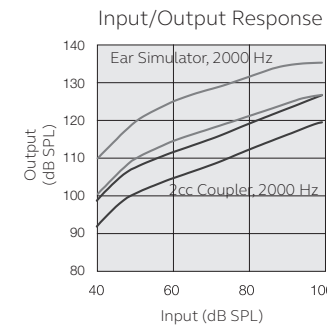
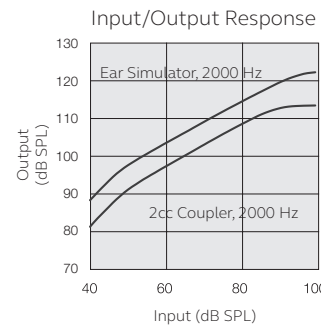
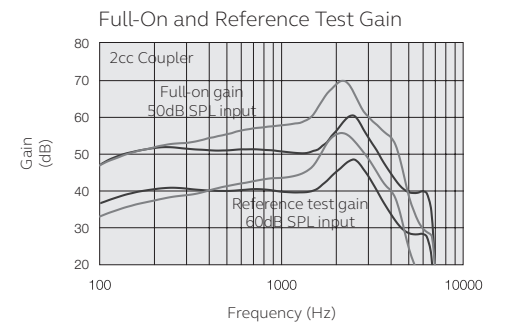
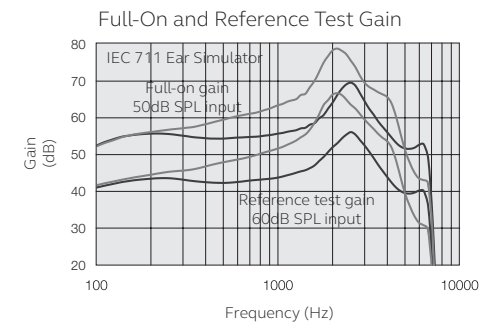
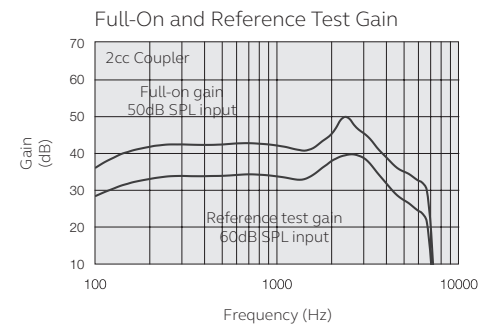
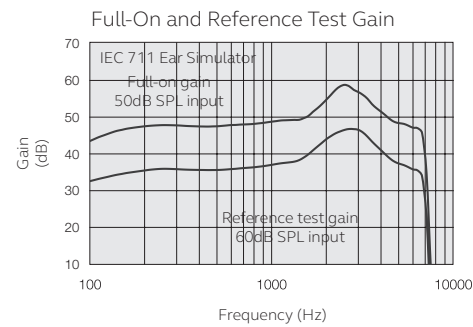
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HP ■
UP ■