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.

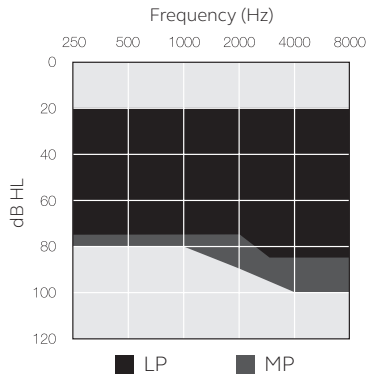
The ReSound LiNX 3D MIH-S hearing aid components and faceplates are iSolate™ nanotech coated for optimum durability.

Model	LT9 MIH-S*	LT7 MIH-S**	LT5 MIH-S***
Device Configurations			
Battery size	10A		
Power levels	LP, MP, HP & UP		
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			
ReSound Smart Fit™ 1.0 or higher	●	●	●
Fully Flexible Programs	4	4	4
Auto DFS	●	●	●
Datalogging (Onboard Analyzer II)	●	●	●

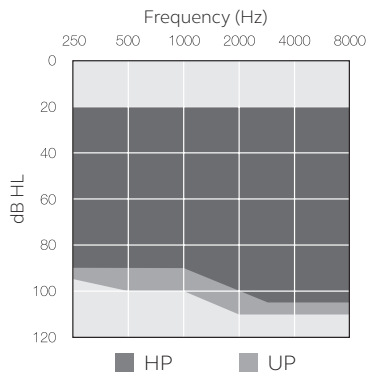
*LT9MIH-S-UP, LT9MIH-S-HP, LT9MIH-S-MP, LT9MIH-S-LP
**LT7MIH-S-UP, LT7MIH-S-HP, LT7MIH-S-MP, LT7MIH-S-LP
***LT5MIH-S-UP, LT5MIH-S-HP, LT5MIH-S-MP, LT5MIH-S-LP

○ Basic
◉ Advanced
● Ultimate

Fitting Range - Closed



Fitting Range - Closed



Patents pending

All specifications are subject to change without notice

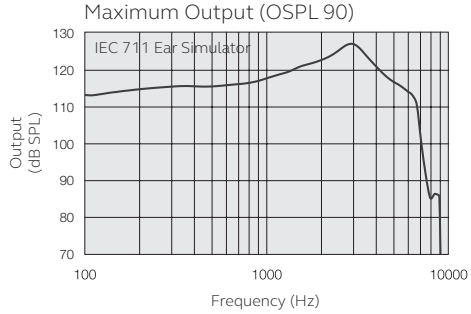
400634011US-17.02-Rev.B

Technical Specifications

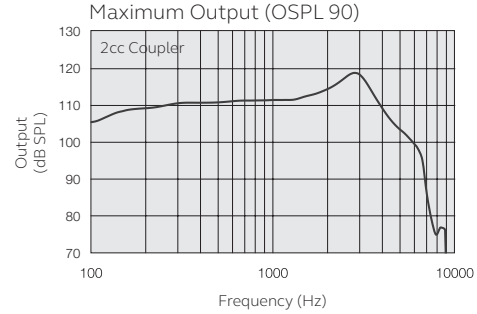
		LTMIH-S (MP)		
		IEC 60118-0 2nd IEC 711 Ear simulator	IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	40	36	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	59 50	50 45	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	127 121	119 113	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.5 0.9 1.0	0.7 0.8 0.9	%
Telecoil sensitivity (1 mA/m input) HFA - SPLIV @ 31.6 mA/m (ANSI) Full-on telecoil sensitivity @ 1mA/m	Max. HFA 1600 Hz/HFA	N/A N/A	 N/A N/A	dB SPL
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

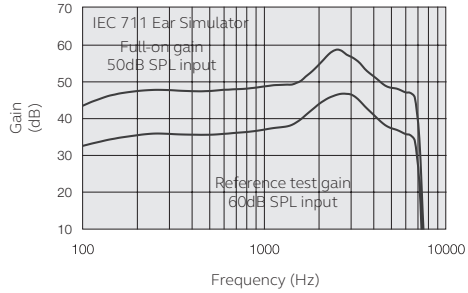
Maximum Output (OSPL 90)



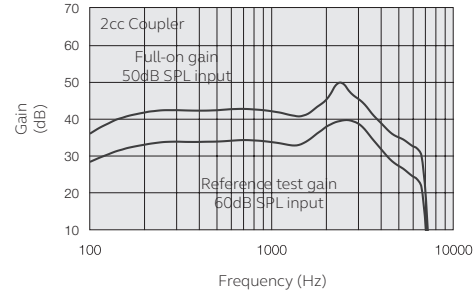
Maximum Output (OSPL 90)



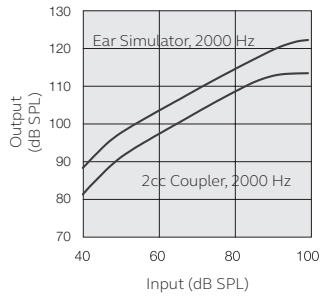
Full-On and Reference Test Gain



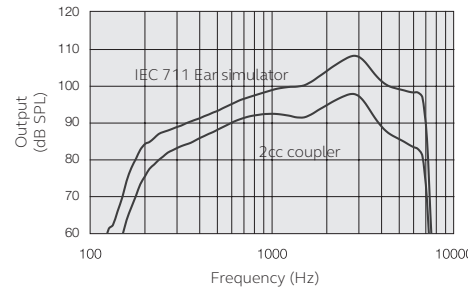
Full-On and Reference Test Gain



Input/Output Response



Full-On Telecoil Response
Input level 10 mA/m



Patents pending

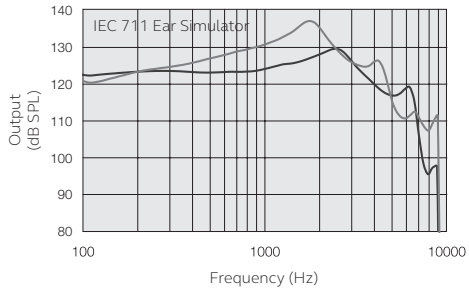
All specifications are subject to change without notice

Technical Specifications

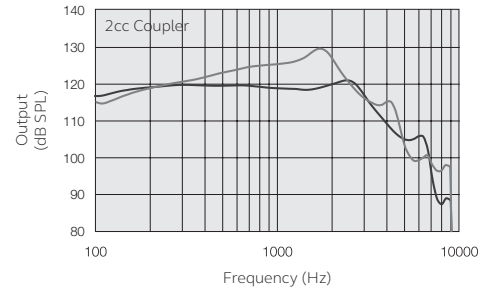
		LTMIH-S (HP)		LTMIH-S (UP)		
		IEC 60118-0 2nd IEC 711 Ear simulator	IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler	IEC 60118-0 2nd IEC 711 Ear simulator	IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	47	43	59	49	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	69 59	60 54	79 70	70 63	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	130 126	121 120	137 136	130 125	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.6 1.3 0.8	0.4 0.7 0.5	0.5 1.4 0.4	0.5 1.0 0.2	%
Telecoil sensitivity (1 mA/m input) HFA - SPLIV @ 31.6 mA/m (ANSI) Full-on telecoil sensitivity @ 1mA/m	Max. HFA 1600 Hz/HFA	N/A N/A	 N/A N/A	N/A N/A	 N/A N/A	dB SPL
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

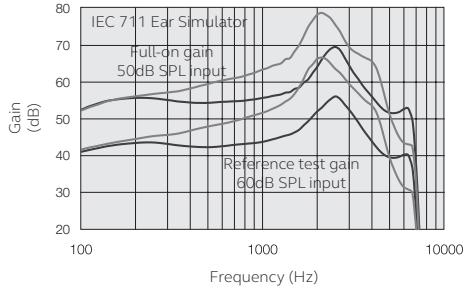
Maximum Output (OSPL 90)



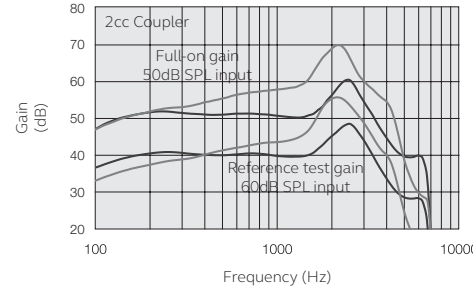
Maximum Output (OSPL 90)



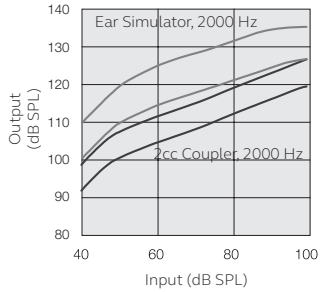
Full-On and Reference Test Gain



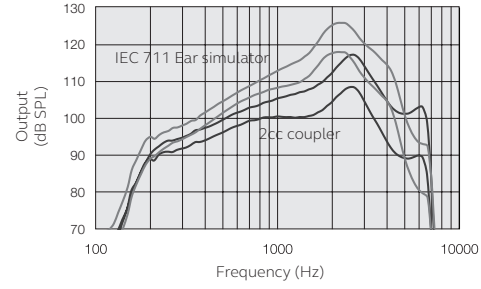
Full-On and Reference Test Gain



Input/Output Response



Full-On Telecoil Response
Input level 10 mA/m



HP
UP

Patents pending

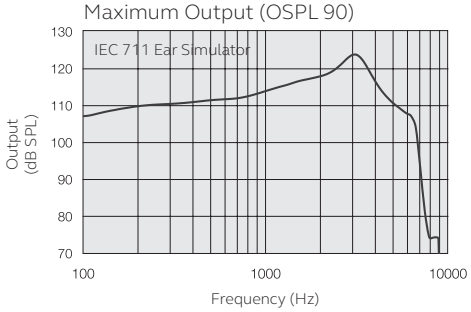
All specifications are subject to change without notice

Technical Specifications

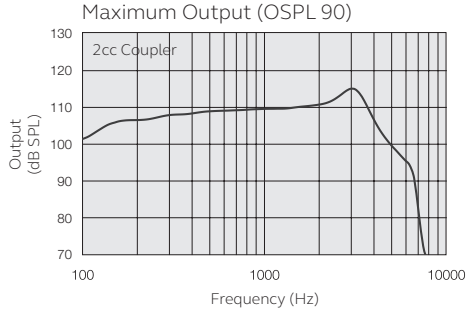
		LTMIH-S (LP)		
		IEC 60118-0 2nd IEC 711 Ear simulator	IEC 60118-0 3rd IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	33	33	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	49 43	40 38	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	124 117	115 110	dB SPL
Total harmonic distortion	500 Hz 800 Hz 1600 Hz	0.4 0.7 0.8	0.6 0.6 1.0	%
Telecoil sensitivity (1 mA/m input) HFA - SPLIV @ 31.6 mA/m (ANSI) Full-on telecoil sensitivity @ 1mA/m	Max. HFA 1600 Hz/HFA	N/A N/A	 N/A N/A	dB SPL
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.

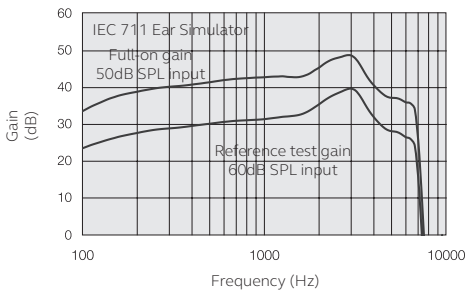
Maximum Output (OSPL 90)



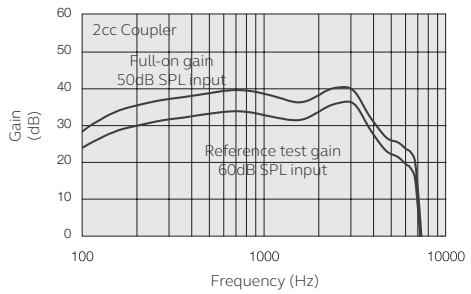
Maximum Output (OSPL 90)



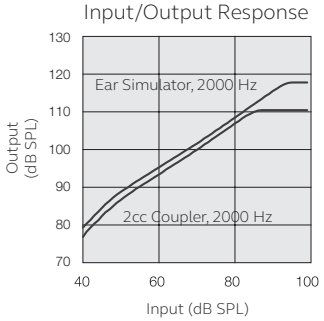
Full-On and Reference Test Gain



Full-On and Reference Test Gain



Input/Output Response



Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 cm^3 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 dBSPL 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 .

Manufacturer according to FDA:

ReSound North America
8001 Bloomington Freeway
Bloomington, MN 55420
1-888-735-4327
resound.com

ReSound Government Services
8001 Bloomington Freeway
Bloomington, MN 55420
1-800-392-9932
resound.com/veterans

Manufacturer according to Health Canada:

ReSound Canada
303 Supertest Road
Toronto, Ontario M3J 2M4
1-888-737-6863
resound.com

ReSound GN