

# ReSound LiNX<sup>2</sup>



LSCIC

## Product Description

Completely-in-the-Canal (CIC) 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.

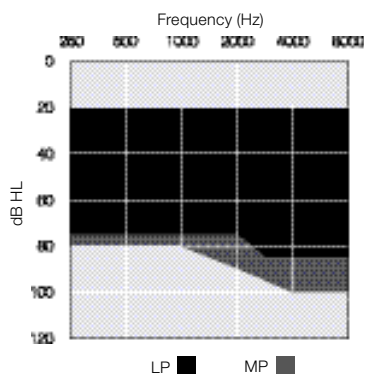
ReSound LiNX<sup>2</sup> CIC is a cosmetic offering focused on small size and discrete appearance.

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

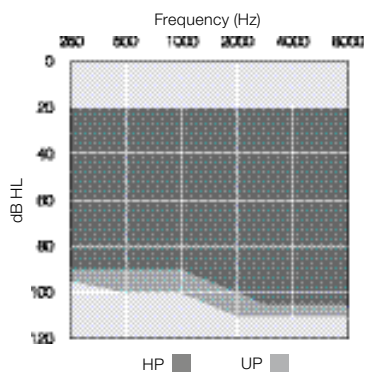
Model	LS9CIC*	LS7CIC**	LS5CIC***
<b>Device Features</b>			
Battery size	10A		
Custom power levels	LP, MP, HP & UP		
Colors available	5		
<b>Functional Features</b>			
Fully flexible programs	4	4	4
Push button	●	●	●
Volume control	●	●	●
SmartStart™	●	●	●
PhoneNow™	●	●	●
<b>Audiological Features</b>			
WARP compression - number of channels	17	17	9
Environmental Classifier	●	●	●
Environmental Optimizer	●	●	●
NoiseTracker™ II	●	○	○
Expansion	●	○	○
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	●	●	●
<b>Fitting Features</b>			
Fitting Software Aventa 3.8 or higher	●	●	●
Onboard Analyzer™ II	●	●	●
*LS9CIC UP, LS9CIC HP, LS9CIC MP, LS9CIC LP			
**LS7CIC UP, LS7CIC HP, LS7CIC MP, LS7CIC LP			
***LS5CIC UP, LS5CIC HP, LS5CIC MP, LS5CIC LP			

○ Basic  
● Advanced  
● Ultimate

## Fitting Range - Closed



## Fitting Range - Closed

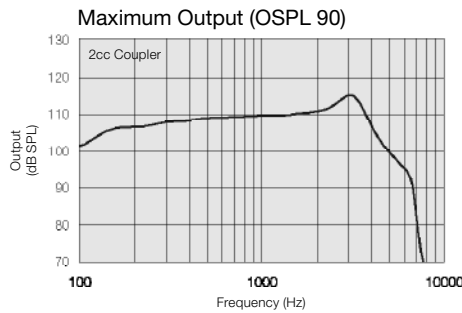
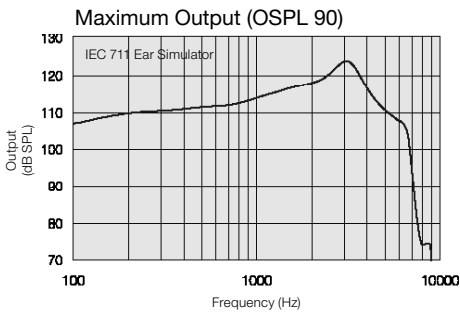


# Technical Specifications

## LSCIC (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		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		22	21	dB SPL
Frequency range (DIN 45605/ANSI)		100-7120	100-6960	Hz
Current drain (Test mode)		1.1	1.2	mA

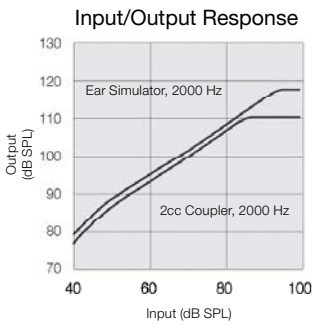
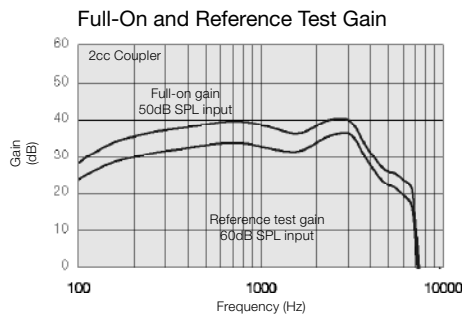
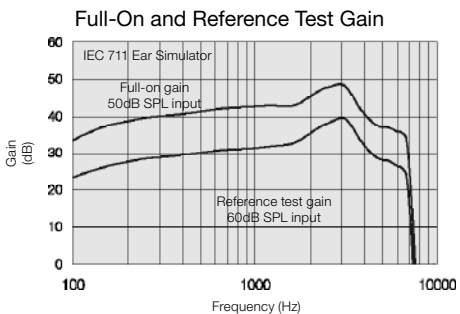
Data in accordance with IEC 60118-0, IEC 60118-7 and ANSI S3.22-2009; supply voltage 1.3 V.



**Notes:**  
 O.E.S. = Occluded Ear Simulator  
 2cc = 2 cm<sup>3</sup> 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.



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Patents pending

All specifications are subject to change without notice

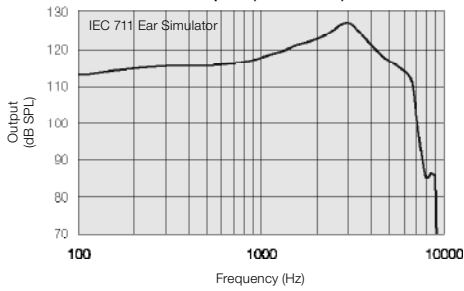
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# Technical Specifications

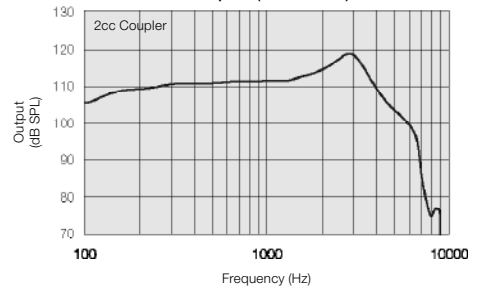
		LSCIC (MP)		
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	40	36	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	59 50	50 45	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	127 121	119 113	dB SPL
Total harmonic distortion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

Patents pending

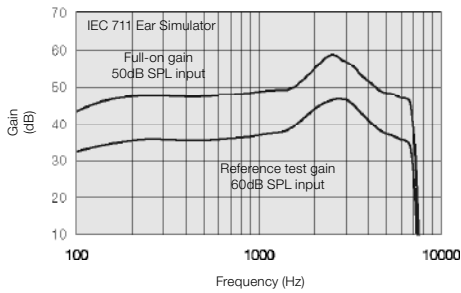
Maximum Output (OSPL 90)



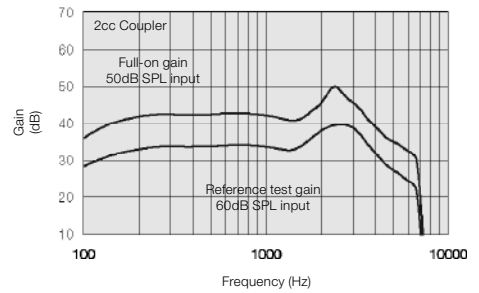
Maximum Output (OSPL 90)



Full-On and Reference Test Gain

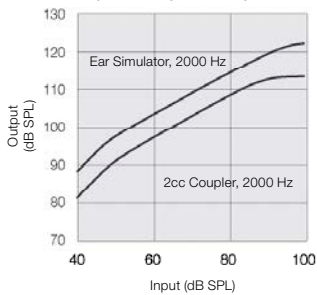


Full-On and Reference Test Gain



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Input/Output Response

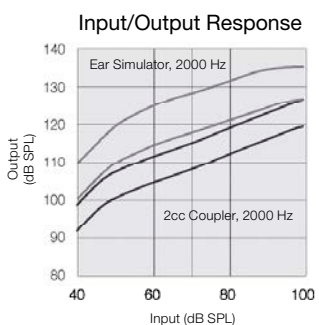
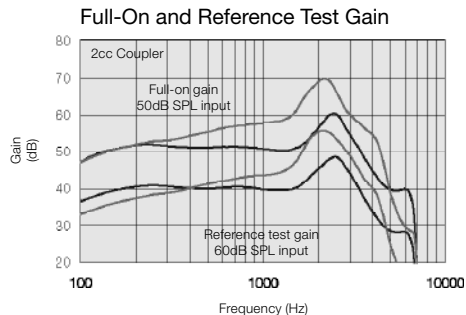
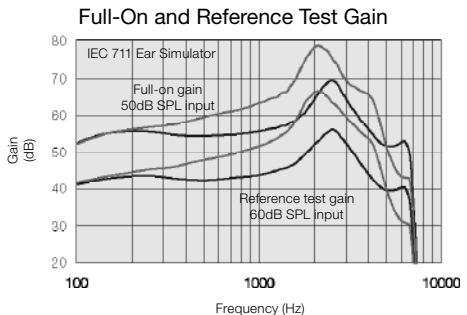
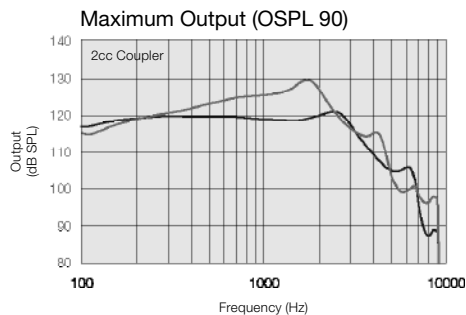
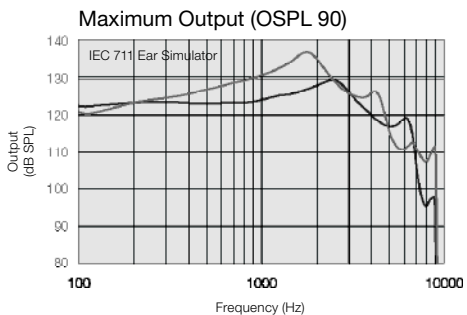


# Technical Specifications

		LSCIC (HP)		LSCIC (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. 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)	Max. HFA - SPLIV @ 31.6 mA/m (ANSI) HFA Full-on telecoil sensitivity @ 1mA/m	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

Patents pending

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HP ■  
UP ■