

# Beltone Legend™



## Product Description

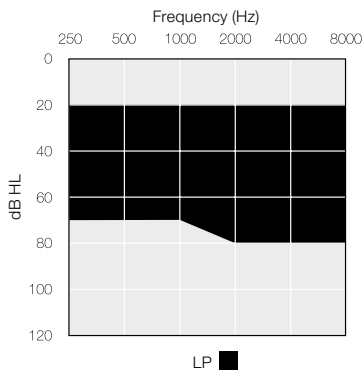
Invisible-in-Canal (IIC) hearing instruments are available in a low power (LP) level.

Sound processing done by Beltone's Dual Processing platform for optimum algorithm execution and outstanding sound quality.

Beltone Legend™ IIC models are the ultimate cosmetic custom hearing instrument offering the most invisible solution in the ear.

All custom hearing instrument faceplates and associated components are HPF<sup>80</sup> NanoBlock-coated for maximum durability.

## Fitting Range - Closed



Model	LND17IIC	LND9IIC	LND6IIC
<b>Device Features</b>			
Battery size		10A	
Receiver Power levels		LP	
Colors available		2	
<b>Functional Features</b>			
Fully Flexible Programs	1	1	1
Delayed Activation	●	●	●
<b>Audiological Features</b>			
Curvilinear Rapid - number of channels	17	14	12
Smart Gain Pro	●		
Smart Gain		●	
Sound Cleaner	●	⊙	○
Silencer	●	⊙	○
Wind Noise Reduction	●	⊙	○
Sound Shifter	●	●	●
Low Frequency Boost (Only UP)	●	●	○
Feedback Eraser with WhistleStop	●		
Feedback Eraser		⊙	○
- AFX Music Mode	●	●	●
Satisfy	●	●	●
Amplification Strategy WDRC	●	●	●
Amplification Strategy WDRC/Semi-linear/Linear(Only UP)	●	●	○
Tinnitus Breaker Pro	●	●	●
<b>Fitting Features</b>			
Fitting Software SolusPro 1.8 or higher	●	●	●
Safeguard Feedback Control	●	●	●
Satisfaction Journal	●	●	●

○ Basic Settings  
● Advanced Settings  
● Ultimate Settings

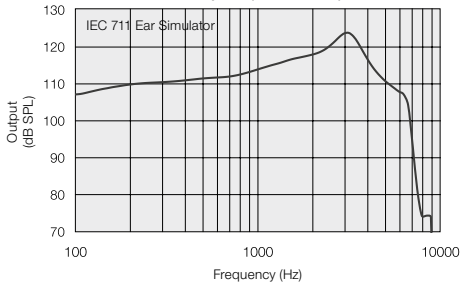
# Technical Specifications

## LNDIIC (LP)

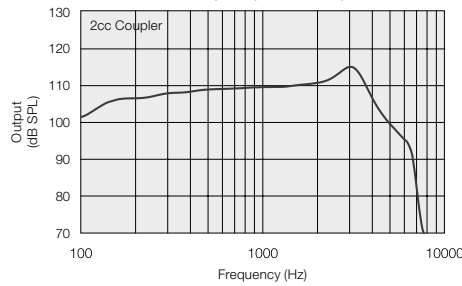
		IEC 60118-0 IEC 711 Ear simulator	IEC 60118-7 ANSI S3.22 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	33	33	dB
Full-on gain (50 dB SPL input)	Max.	49	40	dB
	1600 Hz/HFA	43	38	
Maximum output (90 dB SPL input)	Max.	124	115	dB SPL
	1600 Hz/HFA	117	110	
Total harmonic distortion	500 Hz	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	N/A	
Equivalent input noise		22	21	dB SPL
Frequency range (DIN 45605/ANSI)		100-7120	100-6960	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.

**Maximum Output (OSPL 90)**



**Maximum Output (OSPL 90)**

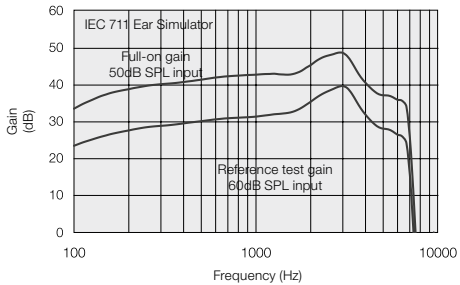


**Notes:**  
 O.E.S. = Occluded Ear Simulator  
 2cc = 2 cm<sup>3</sup> coupler  
 Pi = Acoustic input signal

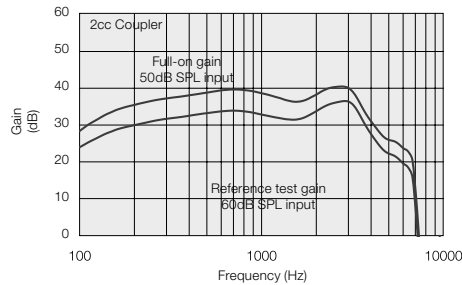
**Basic settings:**  
 Full-on Gain, Reference Test Gain  
 MPO = Maximum Power Output  
 Maximum Band Width

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 with-out DSP features activated unless indicated otherwise.

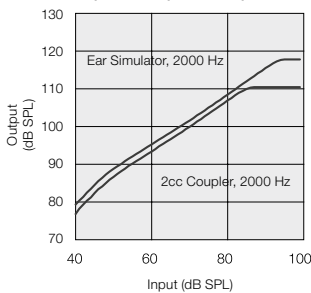
**Full-On and Reference Test Gain**



**Full-On and Reference Test Gain**



**Input/Output Response**



Patents pending

All specifications are subject to change without notice

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