Reach iX-CIC Li

Reach iX-CIC Li SDemo

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DATA SHEET

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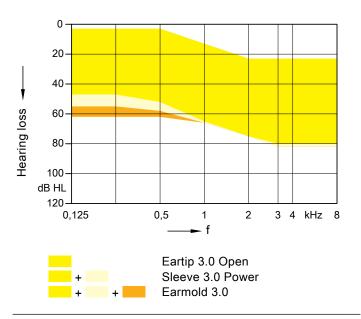
- 50 dB / 114 dB SPL (2 ccm coupler)
- 61 dB / 126 dB SPL (Ear simulator)

Reach iX-CIC Li · Technical Data

	2 ccm coupler	Ear simulator	
Output sound pressure level			
OSPL 90 at 1.6 kHz	<u> </u>	118 dB SPL	
OSPL 90 (peak)	114 dB SPL	126 dB SPL	
HFA OSPL 90	108 dB SPL	_	
Full-on gain			
FOG at 1.6 kHz		53 dB	
FOG (peak)	50 dB	61 dB	
HFA FOG	45 dB	_	
Reference test gain	31 dB	43 dB	
Frequency, noise and directivity			
Frequency range 80	100 – 9100 Hz	100 – 10300 Hz	
60	100 – 8700 Hz	100 – 8800 Hz	
40	100 – 8200 Hz	100 – 8300 Hz	
Equivalent input noise	16 dB SPL	17 dB SPL	
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	2/3/2/1%	4/6/5/—%	
Tinnitus noiser broadband	71 dB SPL	_	
AI-DI	_		
Latency	< 1	< 15 ms	
Inductive coil sensitivity			
MASL (1 mA/m) at 1.6 kHz	_	_	
HFA MASL (1 mA/m)	_	_	
HFA SPLITS (left/right)	-	_	
RSETS (left/right)	<u> </u>	_	
HFA SPLIV	_	_	
Battery			
Battery runtime	up to	up to 28 h	
Cellphone compatibility			
Microphone mode		0.65 – 0.96 GHz 1.4 – 2.7 GHz	
Telecoil mode			
	not applicable	— not applicable	

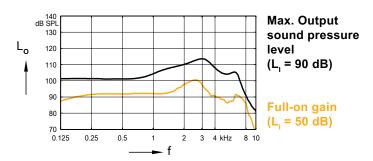
Refer to section "Further information" for additional information on the values.

Reach iX-CIC Li · Fitting Range

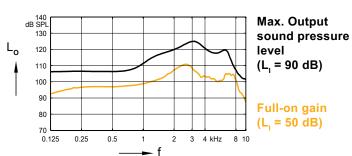


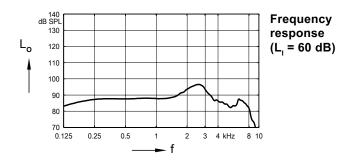
Reach iX-CIC Li · Basic Data

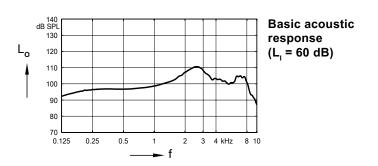
2 ccm coupler



Ear simulator







Reach iX-CIC Li · Further information

Abbreviations

The following abbreviations are used in this data sheet:

SPL Sound Pressure Level

OSPL Output Sound Pressure Level **HFA** High Frequency Average

FOG Full-On Gain

MASL Magneto Acoustical Sensitivity Level

SPLITS Coupler SPL for an Inductive Telephone Simulator **RSETS** Relative Simulated Equivalent Telephone Sensitivity

SPLIV SPL In a Vertical magnetic field AI-DI Articulation Index - Directivity Index **IRIL** Input Related Interference Level RTF Reference Test Frequency ASHA Audio Streaming for Hearing Aids

Standards and additional information

- All measurements with the 2 ccm coupler were performed according to ANSI S3.22:2014 and EN 60118-0:2015 if applicable.
- All measurements with an ear simulator were performed according to EN 60118-0:1993 + A1:1995 and to DIN 45605 (frequency range) if applicable.
- All Cellphone Compatibility measurements were performed according to EN IEC 60118-13:2020 and ANSI C63.19:2019.
- Cellphone Compatibility definition: It is expected that the hearing aid user can effectively use a compliant wireless device held in a talking position at the ear. Maximum achievable Cellphone Compatibility range: 0.65-0.96 GHz and 1.4-2.7 GHz.
- Curves and figures representing FOG are measured with 20 dB reduction and 70 dB SPL input level.
- Figures representing Equivalent Input Noise incorporate a moderate expansion.
- Tinnitus noiser measurement conditions: all tinnitus single frequency sliders in max position, master volume slider in default position (0 dB) and local volume control in default position.
- Inductive coil sensitivity values, inductive response curves and T ratings apply for instruments with telecoil only.
- The current consumption is measured in reference test setting (RTS) according to the applicable standards. Due to the settling behaviour of hearing aids supporting RF (Radio Frequency), the battery current is measured 3 minutes after turning on (note: no pairing).
- The battery runtime is based on first fit settings using 60 % of the fitting range and an ISTS (International Speech Test Signal) input signal at 65 dB SPL (note: pairing established). The actual battery runtime is determined by battery quality, hearing loss, sound environment, usage and activated feature set. Regarding RF usage, Bluetooth audio streaming from phone to hearing aid and from hearing aid to phone are considered.
- Extended bandwidth up to 10 kHz for 80 devices only.

Special note for instruments with built-in lithium-ion rechargeable battery

The runtime of all lithium-ion rechargeable batteries reduces over time. The estimates are based on fresh lithium-ion rechargeable battery capacity. Under normal operating conditions, the battery will retain up to 80 % of its initial capacity after 2 years of use. Please note that battery performance will vary depending on individual usage patterns and environmental conditions.