



# Adore™ ITC, ITE, CIC, IIC

Made for  
iPhone | iPad | iPod

.....  
Data Sheet  
.....

[www.rexton.com](http://www.rexton.com)

**REXTON** 

# Adore ITE · Technical Data

Type	118/55		124/65	
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
<b>Output sound pressure level</b>				
at 1.6 kHz	–	119 dB SPL	–	128 dB SPL
Peak	118 dB SPL	128 dB SPL	124 dB SPL	134 dB SPL
HFA-OSPL 90	112 dB SPL	–	119 dB SPL	–
<b>Gain</b>				
Full-on gain (FOG) at 1.6 kHz	–	56 dB	–	68 dB
Full-on gain (peak)	55 dB	65 dB	65 dB	75 dB
HFA-FOG	48 dB	–	60 dB	–
Reference test gain	35 dB	44 dB	42 dB	53 dB
<b>Frequency, noise and directivity</b>				
Frequency range	100-8200 Hz	100-8500 Hz	100-6200 Hz	100-6100 Hz
Equivalent input noise	20 dB SPL	21 dB SPL	20 dB SPL	21 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	2 / 2 / 2 / 2 %	3 / 3 / 3 / – %	3 / 3 / 2 / 2 %	5 / 7 / 3 / – %
AI-DI	5.2 dB		5.2 dB	
<b>Inductive coil sensitivity</b>				
MASL (1 mA/m) at 1.6 kHz	–	–	–	–
HFA MASL (1 mA/m)	–	–	–	–
HFA SPLITS (left/right)	–	–	–	–
RSETS (left/right)	–	–	–	–
HFA SPLIV	–	–	–	–
<b>Battery</b>				
Battery voltage	1.3 V		1.3 V	
Battery current drain	1.3 mA	1.3 mA	1.3 mA	1.3 mA
Battery life (cell zinc air) Type 10	~ 70 h		~ 70 h	
Battery life (rechargeable)	–		–	
<b>IRILIEC60118-13:2016Ed.4.0</b>				
700-960 MHz (rating)	user		user	
1400-2000 MHz (rating)	user		user	
2000-2700 MHz (rating)	user		user	
<b>ANSI C63.19-2011</b>				
800-950 MHz (rating)	M4		M4	
1600-2500 MHz (rating)	M4		M4	

# Adore ITC · Technical Data

Type	113/50		118/55		124/65	
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
<b>Output sound pressure level</b>						
at 1.6 kHz	–	118 dB SPL	–	119 dB SPL	–	127 dB SPL
Peak	113 dB SPL	124 dB SPL	118 dB SPL	128 dB SPL	124 dB SPL	133 dB SPL
HFA-OSPL 90	108 dB SPL	–	111 dB SPL	–	119 dB SPL	–
<b>Gain</b>						
Full-on gain (FOG) at 1.6 kHz	–	53 dB	–	53 dB	–	65 dB
Full-on gain (peak)	50 dB	61 dB	55 dB	65 dB	65 dB	75 dB
HFA-FOG	45 dB	–	47 dB	–	60 dB	–
Reference test gain	31 dB	43 dB	34 dB	44 dB	42 dB	52 dB
<b>Frequency, noise and directivity</b>						
Frequency range	100-9000 Hz	150-9500 Hz	100-8000 Hz	110-9000 Hz	100-6300 Hz	100-6800 Hz
Equivalent input noise	20 dB SPL	20 dB SPL	21 dB SPL	21 dB SPL	21 dB SPL	21 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	3 / 3 / 3 / 3 %	3 / 4 / 5 / – %	2 / 2 / 2 / 2 %	3 / 3 / 3 / – %	3 / 3 / 2 / 2 %	4 / 7 / 3 / – %
AI-DI	4.8 dB		4.8 dB		4.8 dB	
<b>Inductive coil sensitivity</b>						
MASL (1 mA/m) at 1.6 kHz	–	–	–	–	–	–
HFA MASL (1 mA/m)	–	–	–	–	–	–
HFA SPLITS (left/right)	–	–	–	–	–	–
RSETS (left/right)	–	–	–	–	–	–
HFA SPLIV	–	–	–	–	–	–
<b>Battery</b>						
Battery voltage	1.3 V		1.3 V		1.3 V	
Battery current drain	1.3 mA	1.3 mA	1.3 mA	1.3 mA	1.3 mA	1.3 mA
Battery life (cell zinc air) Type 10	~ 70 h		~ 70 h		~ 70 h	
Battery life (rechargeable)	–		–		–	
<b>IRILIEC60118-13:2016Ed.4.0</b>						
700-960 MHz (rating)	user		user		user	
1400-2000 MHz (rating)	user		user		user	
2000-2700 MHz (rating)	user		user		user	
<b>ANSI C63.19-2011</b>						
800-950 MHz (rating)	M4		M4		M4	
1600-2500 MHz (rating)	M4		M4		M4	

# Adore CIC · Technical Data

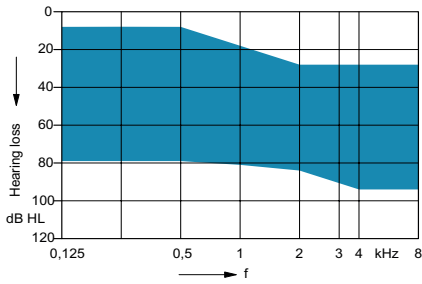
Type	113/50		118/55		124/65	
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
<b>Output sound pressure level</b>						
at 1.6 kHz	–	116 dB SPL	–	119 dB SPL	–	127 dB SPL
Peak	113 dB SPL	124 dB SPL	118 dB SPL	128 dB SPL	124 dB SPL	135 dB SPL
HFA-OSPL 90	108 dB SPL	–	112 dB SPL	–	119 dB SPL	–
<b>Gain</b>						
Full-on gain (FOG) at 1.6 kHz	–	51 dB	–	55 dB	–	66 dB
Full-on gain (peak)	50 dB	60 dB	55 dB	65 dB	65 dB	75 dB
HFA-FOG	45 dB	–	48 dB	–	59 dB	–
Reference test gain	32 dB	41 dB	35 dB	45 dB	42 dB	51 dB
<b>Frequency, noise and directivity</b>						
Frequency range	100-10000 Hz	120-10000 Hz	100-10000 Hz	100-10000 Hz	100-9200 Hz	100-9200 Hz
Equivalent input noise	18 dB SPL	18 dB SPL	18 dB SPL	18 dB SPL	18 dB SPL	19 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	3 / 3 / 2 / 1 %	4 / 5 / 4 / – %	2 / 2 / 2 / 1 %	2 / 2 / 2 / – %	2 / 2 / 1 / 1 %	3 / 4 / 2 / – %
AI-DI	–	–	–	–	–	–
<b>Inductive coil sensitivity</b>						
MASL (1 mA/m) at 1.6 kHz	–	–	–	–	–	–
HFA MASL (1 mA/m)	–	–	–	–	–	–
HFA SPLITS (left/right)	–	–	–	–	–	–
RSETS (left/right)	–	–	–	–	–	–
HFA SPLIV	–	–	–	–	–	–
<b>Battery</b>						
Battery voltage	1.3 V		1.3 V		1.3 V	
Battery current drain	1.3 mA	1.3 mA	1.3 mA	1.3 mA	1.3 mA	1.3 mA
Battery life (cell zinc air Type 10)	~ 55 h		~ 55 h		~ 55 h	
Battery life (rechargeable)	–		–		–	
<b>IRILIEC60118-13:2016Ed.4.0</b>						
700-960 MHz (rating)	user		user		user	
1400-2000 MHz (rating)	user		user		user	
2000-2700 MHz (rating)	user		user		user	
<b>ANSI C63.19-2011</b>						
800-950 MHz (rating)	M4		M4		M4	
1600-2500 MHz (rating)	M4		M4		M4	

# Adore IIC · Technical Data

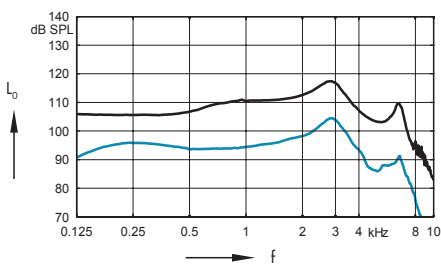
Type	113/50	
	2 ccm coupler	Ear simulator
<b>Output sound pressure level</b>		
at 1.6 kHz	–	116 dB SPL
Peak	113 dB SPL	123 dB SPL
HFA-OSPL 90	109 dB SPL	–
<b>Gain</b>		
Full-on gain (FOG) at 1.6 kHz	–	53 dB
Full-on gain (peak)	50 dB	60 dB
HFA-FOG	46 dB	–
Reference test gain	32 dB	41 dB
<b>Frequency, noise and directivity</b>		
Frequency range	100-7900 Hz	150-8900 Hz
Equivalent input noise	21 dB SPL	21 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	2 / 2 / 2 / 1%	3 / 4 / 3 / – %
AI-DI	–	–
<b>Inductive coil sensitivity</b>		
MASL (1 mA/m) at 1.6 kHz	–	–
HFA MASL (1 mA/m)	–	–
HFA SPLITS (left/right)	–	–
RSETS (left/right)	–	–
HFA SPLIV	–	–
<b>Battery</b>		
Battery voltage	1.3 V	
Battery current drain	1.3 mA	1.3 mA
Battery life (cell zinc air) Type 10	~ 55 h	
Battery life (rechargeable)	–	
<b>IRILIEC60118-13:2016Ed.4.0</b>		
700-960 MHz (rating)	user	
1400-2000 MHz (rating)	user	
2000-2700 MHz (rating)	user	
<b>ANSI C63.19-2011</b>		
800-950 MHz (rating)	M4	
1600-2500 MHz (rating)	M4	

# Adore ITE · Basic Data

118/55



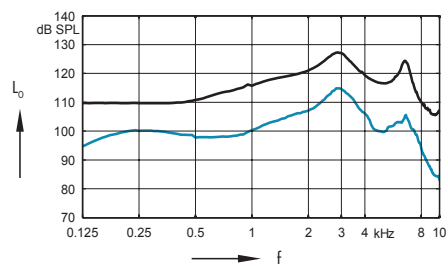
## 2 ccm coupler



Output sound pressure level  
( $L_i = 90$  dB)

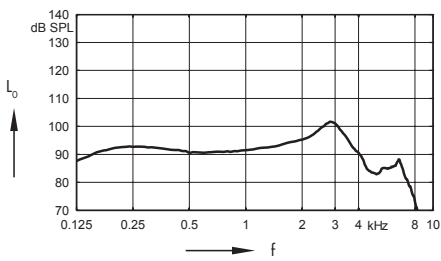
Full on gain  
( $L_i = 50$  dB)

## Ear simulator

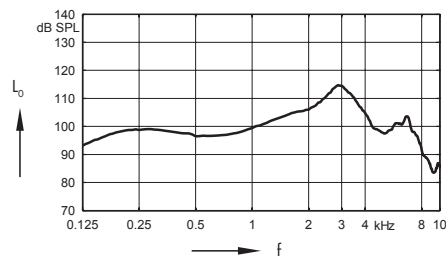


Output sound pressure level  
( $L_i = 90$  dB)

Full on gain  
( $L_i = 50$  dB)



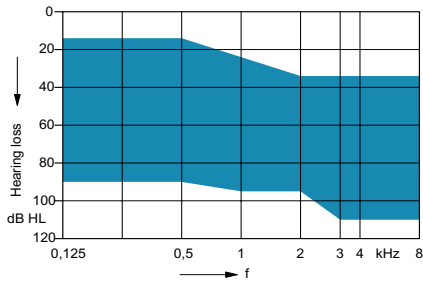
Frequency response  
( $L_i = 60$  dB)



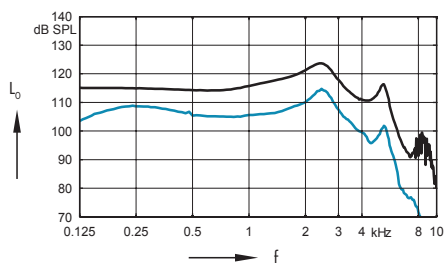
Basic acoustic response  
( $L_i = 60$  dB)

# Adore ITE · Basic Data

124/65



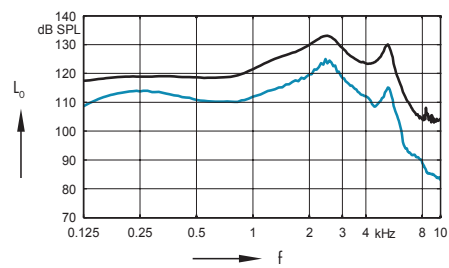
## 2 ccm coupler



Output sound pressure level  
( $L_i = 90$  dB)

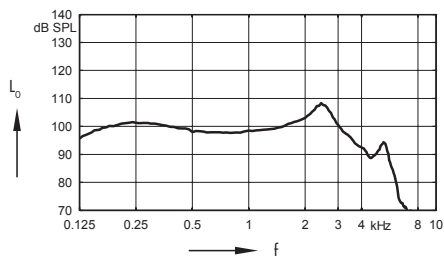
Full on gain  
( $L_i = 50$  dB)

## Ear simulator

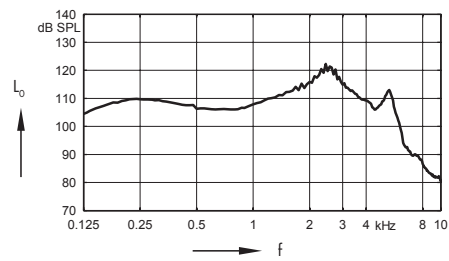


Output sound pressure level  
( $L_i = 90$  dB)

Full on gain  
( $L_i = 50$  dB)



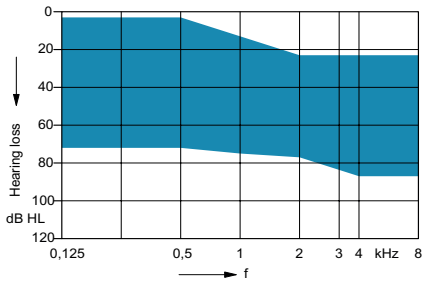
Frequency response  
( $L_i = 60$  dB)



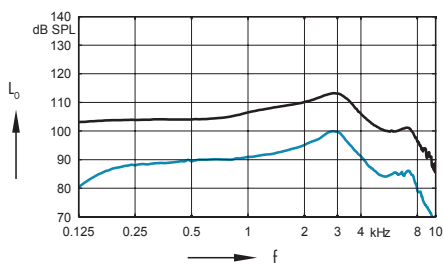
Basic acoustic response  
( $L_i = 60$  dB)

# Adore ITC · Basic Data

113/50



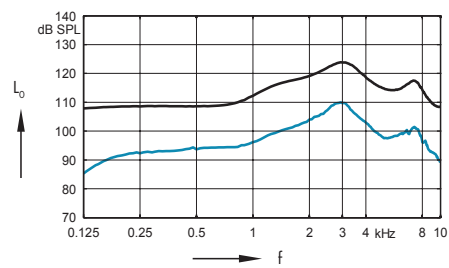
## 2 ccm coupler



Output sound pressure level  
( $L_i = 90$  dB)

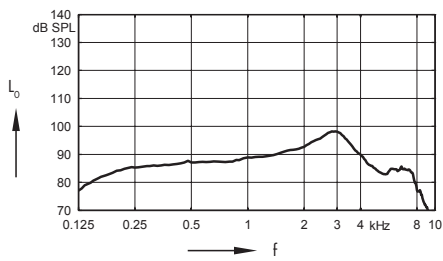
Full on gain  
( $L_i = 50$  dB)

## Ear simulator

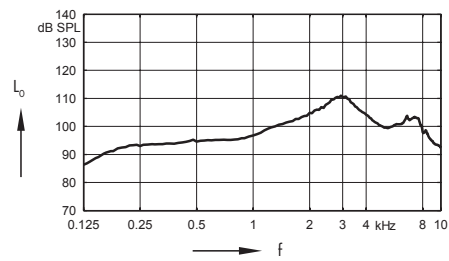


Output sound pressure level  
( $L_i = 90$  dB)

Full on gain  
( $L_i = 50$  dB)



Frequency response  
( $L_i = 60$  dB)

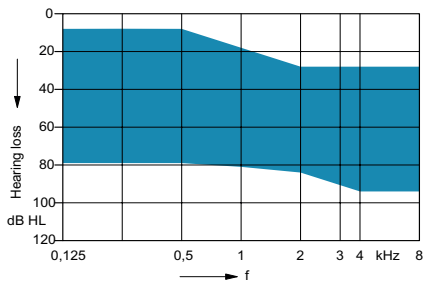


Basic acoustic response  
( $L_i = 60$  dB)

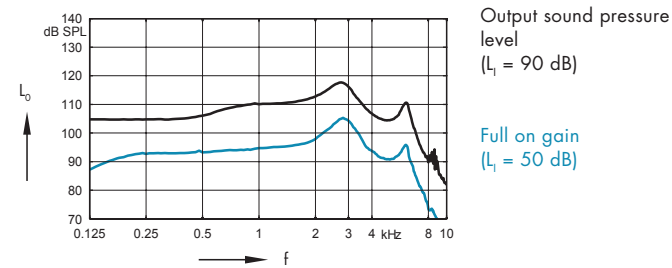


# Adore ITC · Basic Data

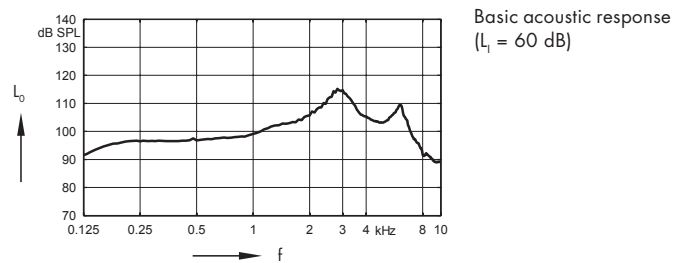
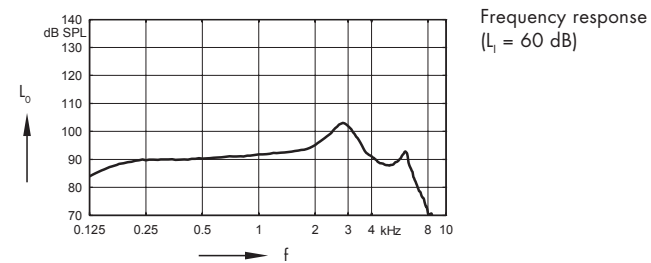
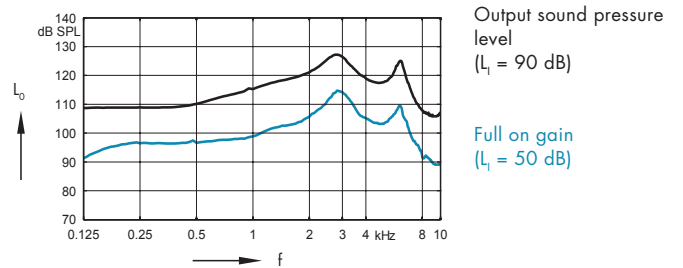
118/55



## 2 ccm coupler

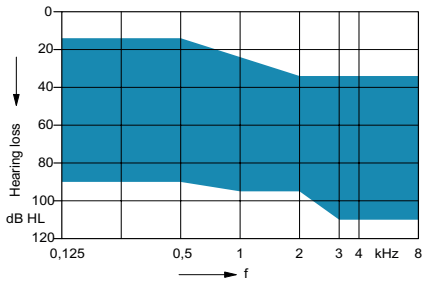


## Ear simulator

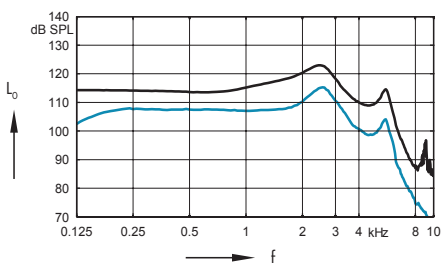


# Adore ITC · Basic Data

124/65



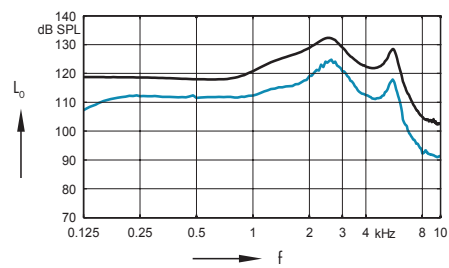
## 2 ccm coupler



Output sound pressure level  
( $L_i = 90$  dB)

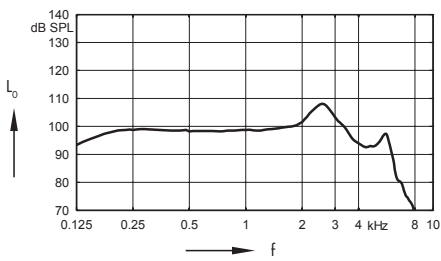
Full on gain  
( $L_i = 50$  dB)

## Ear simulator

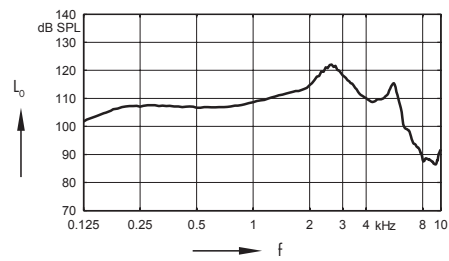


Output sound pressure level  
( $L_i = 90$  dB)

Full on gain  
( $L_i = 50$  dB)



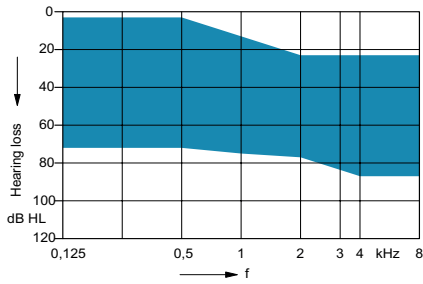
Frequency response  
( $L_i = 60$  dB)



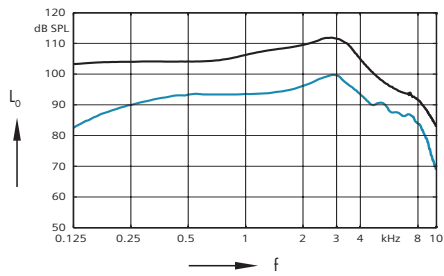
Basic acoustic response  
( $L_i = 60$  dB)

# Adore CIC · Basic Data

113/50



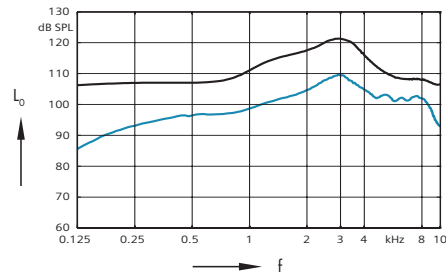
## 2 ccm coupler



Output sound pressure level  
( $L_i = 90$  dB)

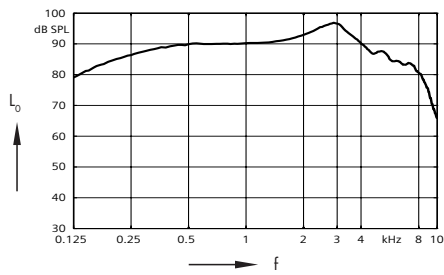
Full on gain  
( $L_i = 50$  dB)

## Ear simulator

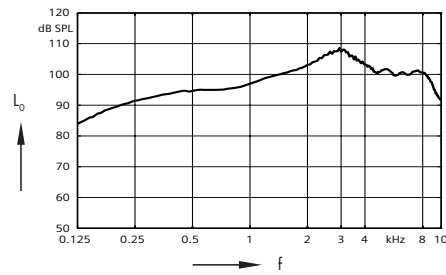


Output sound pressure level  
( $L_i = 90$  dB)

Full on gain  
( $L_i = 50$  dB)



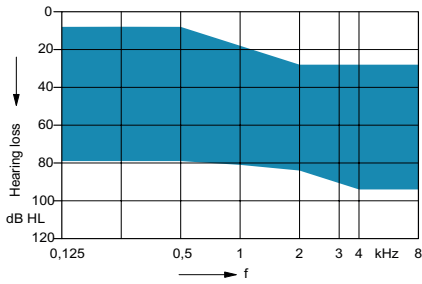
Frequency response  
( $L_i = 60$  dB)



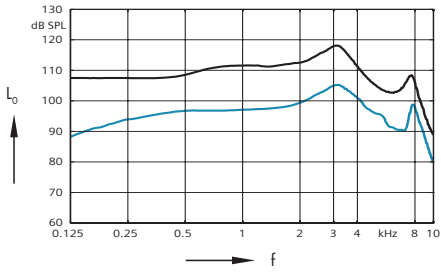
Basic acoustic response  
( $L_i = 60$  dB)

# Adore CIC · Basic Data

118/55



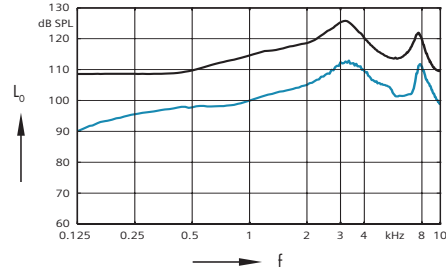
## 2 ccm coupler



Output sound pressure level  
( $L_i = 90$  dB)

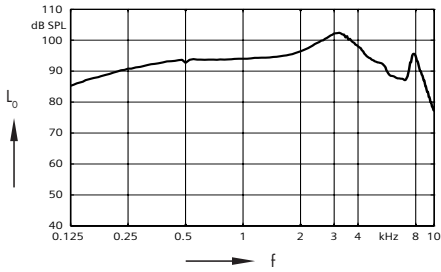
Full on gain  
( $L_i = 50$  dB)

## Ear simulator

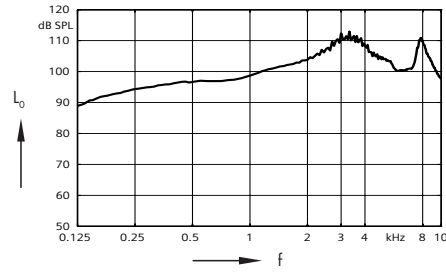


Output sound pressure level  
( $L_i = 90$  dB)

Full on gain  
( $L_i = 50$  dB)



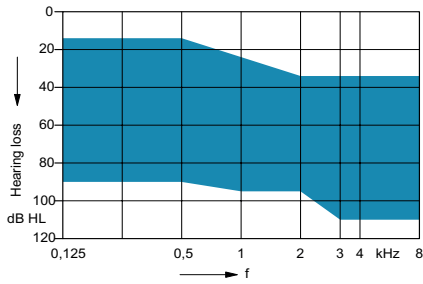
Frequency response  
( $L_i = 60$  dB)



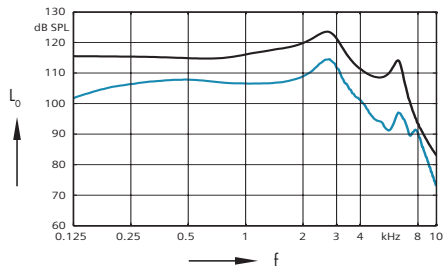
Basic acoustic response  
( $L_i = 60$  dB)

# Adore CIC · Basic Data

124/65



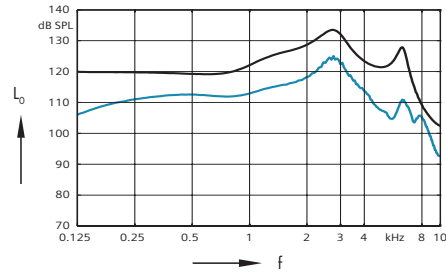
## 2 ccm coupler



Output sound pressure level  
( $L_i = 90$  dB)

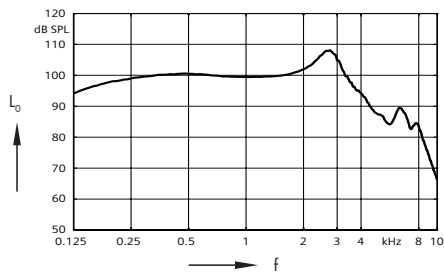
Full on gain  
( $L_i = 50$  dB)

## Ear simulator

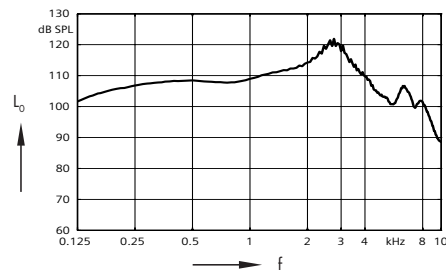


Output sound pressure level  
( $L_i = 90$  dB)

Full on gain  
( $L_i = 50$  dB)



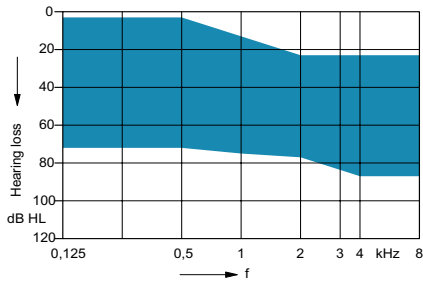
Frequency response  
( $L_i = 60$  dB)



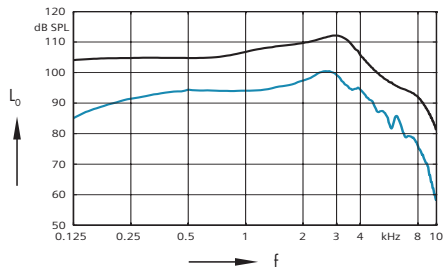
Basic acoustic response  
( $L_i = 60$  dB)

# Adore IIC · Basic Data

113/50



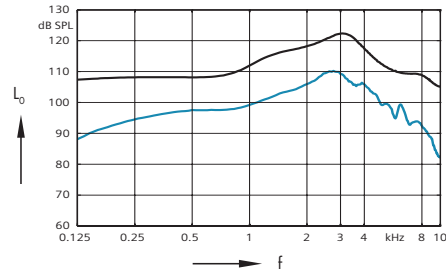
## 2 ccm coupler



Output sound pressure level  
( $L_i = 90$  dB)

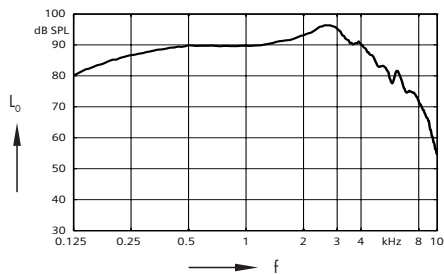
Full on gain  
( $L_i = 50$  dB)

## Ear simulator

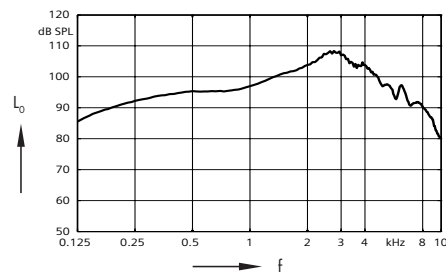


Output sound pressure level  
( $L_i = 90$  dB)

Full on gain  
( $L_i = 50$  dB)



Frequency response  
( $L_i = 60$  dB)



Basic acoustic response  
( $L_i = 60$  dB)

# Adore ITE / ITC · Features and Accessories

MyCore Platform	
Signal processing (channels) / Gain/MPO (handles)	48 / 20
Hearing programs	6
Direct Audio Streaming <sup>1)</sup> / Made for iPhone	●
My Voice	–
Wireless Sync <sup>2)</sup>	●
Volume and program control coupling <sup>2)</sup>	●
MyCore Speech	
HD Bandwidth (up to 10 kHz)	●
Auto iFocus 360 <sup>2)</sup>	●
iFocus 360	●
HD Directionality <sup>2)</sup>	●
Stereo iLock <sup>2)</sup>	●
Voice Ranger	●
XPhone <sup>2)</sup>	●
Automatic Directional Microphone <sup>2)</sup>	●
Multichannel Adaptive Directional Microphone <sup>2)</sup>	●
Fixed Directional Microphone	●
Bandwidth Compression	●
Intelligent Feedback Preventer	●
MyCore Sound Quality and Comfort	
Dynamic Extender	●
Auto Volume <sup>3)</sup>	●
Microphone-pattern adjustment <sup>2) 4)</sup>	●
Reverb Reducer	●
Music Enhancer	●
iOmni (pinna effect compensation)	–
Sound Smoothing	●
Intelligent Wind Noise Cancellation <sup>2)</sup>	●
Noise Management	●
MyCore Automatic Optimization	
Smart Automatic Equalizer	●
Smart Automatic Acclimatization	●
Automatic Classifier	●
Data Logging	●

<sup>1)</sup> Apple iPhones 5 and later

<sup>2)</sup> Bilateral fitting required

<sup>3)</sup> Streaming only

<sup>4)</sup> requires Connexx Smart Direct App

● available – not available

# Adore CIC / IIC · Features and Accessories

MyCore Platform	
Signal processing (channels) / Gain/MPO (handles)	48 / 20
Hearing programs	6
Direct Audio Streaming / Made for iPhone	–
My Voice	–
Wireless Sync <sup>2)</sup>	●
Volume and program control coupling <sup>2)</sup>	●
MyCore Speech	
HD Bandwidth (up to 10 kHz)	●
Auto iFocus 360/iFocus 360 <sup>2)</sup>	–
HD Directionality <sup>2)</sup>	●
Single Microphone Directionality <sup>2)</sup>	●
Voice Ranger	●
XPhone <sup>2)</sup>	●
Automatic Directional Microphone <sup>2)</sup>	●
Multichannel Adaptive Directional Microphone <sup>2)</sup>	●
Fixed Directional Microphone	–
Bandwidth Compression	●
Intelligent Feedback Preventer	●
MyCore Sound Quality and Comfort	
Dynamic Extender	●
Microphone-pattern adjustment <sup>2) 4)</sup>	–
Reverb Reducer	●
Music Enhancer	●
iOmni (pinna effect compensation)	–
Sound Smoothing	●
Wind Noise Cancellation	●
Noise Management	●
MyCore Automatic Optimization	
Smart Automatic Equalizer	●
Smart Automatic Acclimatization	●
Automatic Classifier	●
Data Logging	●

<sup>1)</sup> Apple iPhones 5 and later

<sup>2)</sup> Bilateral fitting required

<sup>3)</sup> Streaming only

<sup>4)</sup> requires Connexx Smart Direct App

● available – not available



# Adore · Features and Accessories

	ITE / ITC	CIC	IIC
<b>Style specific features</b>			
Battery Size	312	10	10
Battery door on/off function	●	●	●
Wireless programming	●	●	●
<b>Instrument configurations</b>			
Rotary volume control	–	–	–
Push button*	●	●	–
Telecoil	–	–	–
<b>Programming accessories</b>			
ConnexxAir / ConnexxLink	– / –	● / –	● / –
Noahlink Wireless	●	–	–
HiPro USB / cable	● / Flex connector	● / Flex connector	–
<b>Accessories</b>			
Connexx Smart Key	○	○	○
Connexx Smart Transmitter 2,4	○	–	–
Connexx Smart Mic	○	–	–
<b>Apps</b>			
Connexx Smart Direct App	○	–	–
Connexx Smart Remote App	○	○	○

● available ○ optional – not available

\*Integrated in battery door

# Adore

## Abbreviations and Standards

### Abbreviations

The following abbreviations are used in this datasheet:

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 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

### Standards

- ▶ All measurements with the 2 ccm coupler were performed according to ANSI S3.22-2014 and IEC 60118-0:2015 if applicable.
- ▶ All measurements with an ear simulator were performed according to IEC 118-0/A1:1994 and to DIN 45605 (frequency range) if applicable.
- ▶ 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.
- ▶ The current consumption is measured in reference test setting (RTS) according to the applicable standards. Due to the settling behaviour of hearing instruments supporting RF (radio frequency), the battery current is measured 3 minutes after turning on (note: no pairing).
- ▶ The battery life 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 life is determined by battery quality, hearing loss, sound environment, usage and activated feature set.

Made for

 iPhone | iPad | iPod

“Made for iPod”, “Made for iPhone”, and “Made for iPad” mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice.

The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

 Legal Manufacturer  
Sivantos GmbH  
Henri-Dunant-Strasse 100, 91058 Erlangen  
Germany

Subject to change without prior notice

Order No. 03607-99T2-7600  
© 2019, Sivantos GmbH  
All rights reserved

#### WARNING

Choking hazard posed by small parts.

- ▶ This instrument is not intended for the fitting of infants, children under 3 years or persons of mental incapacity.

#### WARNING

Instrument has an output sound pressure level of 132 dB SPL or more. Risk of impairing the residual hearing of the user.

- ▶ Take special care when fitting this instrument.

**REXTON** 