

Product information

Product Description

Danalogic i-FIT is a family of highly advanced hearing instruments. Designed to compensate for all hearing losses, Analogic i-FIT delivers high-performance speech clarity - even in the most demanding listening situations.

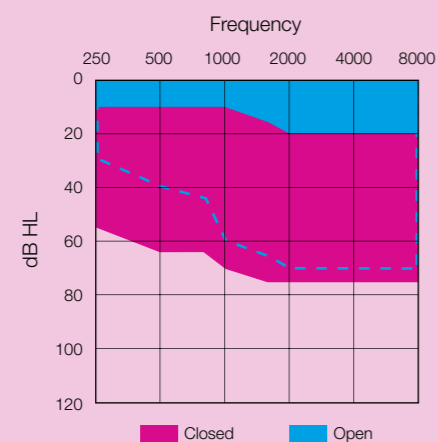
Fitting Requirements

- Aventa™ fitting software version 2.8 or higher
- Programming adaptor boot with CS44 cable
- Speedlink™, HI-PRO or NOAHlink interface (Speedlink recommended)

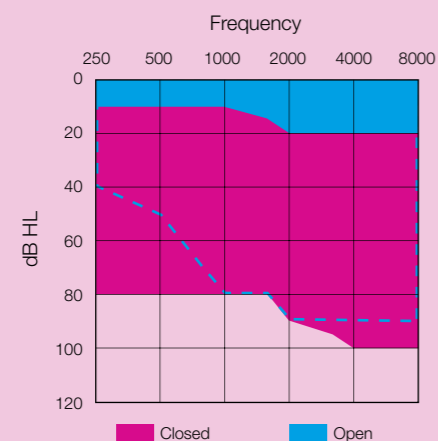
i-FIT RIE



Fitting Range – Low Power (LP)



Fitting Range – High Power (HP)



Key Features

- 17-band WARP™
- Noise Reduction
- Dual Stabilizer™ II DFS with Feedback Eliminator
- Situation Analyser
- Up to 4 customisable programmes
- Integrated wind noise suppression
- Intelligent Directionality with Autofocus
- Fixed directionality
- SoftSwitching™
- EchoStop™
- Impulse Noise Smoother
- SmartStart™
- Onboard Analyser™ II data logging
- Acoustic indications for user controls and low battery warning

Standard Configuration

- Fully functional Receiver-in-Ear
- iSolate™ humidity protection
- Dual Microphone Technology
- Size 312 battery
- Push button
- Programmable volume control
- Telecoil with T and MT modes
- Direct Audio Input facility
- Receivers and domes in different sizes

Patents pending.

All specifications are subject to change without notice.

17035681-GB-09.06 Rev.A

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Technical Specifications



		i-FIT RIE LP				dB
		IEC 118-0 Ear Simulator		IEC 118-7 2cc coupler		
		Closed	Open	Closed	Open	
Reference test gain (60 dB SPL input)	1600 Hz / HFA	30	31	24	25	dB
	2500 Hz	35	35	26	26	dB
Full-on gain (50 dB SPL input)	Max.	52	52	42	41	dB
	1600 Hz / HFA	42	43	35	35	dB
	2500 Hz	47	47	37	37	dB
Maximum output (90 dB SPL input)	Max.	119	118	108	107	dB SPL
	1600 Hz / HFA	108	108	101	101	dB SPL
	2500 Hz	114	114	104	104	dB SPL
Total harmonic distortion	800 Hz	1,3	1,2	0,8	0,7	%
	1600 Hz	1,0	1,0	0,7	0,7	%
Telecoil sensitivity (1 mA/m input)	Max.	83	83	-	-	dB SPL
Full-on Telecoil sensitivity @1 mA/m, MASL (IEC)	HFA	-	-	68	68	dB SPL
HFA - SPLITS @ 31.6 mA/m (ANSI)	HFA	-	-	84	85	dB SPL
Equivalent input noise, w/o Noise reduction		27	27	27	27	dB SPL
Frequency range (DIN 45605)		110-7050	130-6930	100-6840	100-6740	Hz
Current Drain		0,9	0,91	0,94	0,93	mA
Typical Battery life time (Battery type 312)		178	176	170	172	hrs

Data in accordance with IEC 60118-0, IEC 60118-7, Supply Voltage 1.3 V.

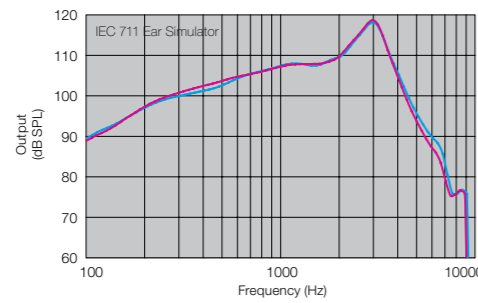
Technical Specifications



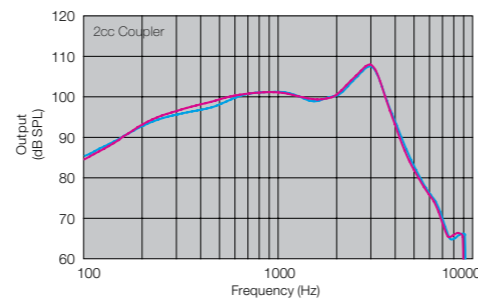
		i-FIT RIE HP				dB
		IEC 118-0 Ear Simulator		IEC 118-7 2cc coupler		
		Closed	Open	Closed	Open	
Reference test gain (60 dB SPL input)	1600 Hz / HFA	41	42	35	37	dB
	2500 Hz	49	45	40	37	dB
Full-on gain (50 dB SPL input)	Max.	68	63	57	52	dB
	1600 Hz / HFA	53	54	46	46	dB
	2500 Hz	61	57	51	47	dB
Maximum output (90 dB SPL input)	Max.	129	128	119	118	dB SPL
	1600 Hz / HFA	120	121	113	114	dB SPL
	2500 Hz	124	124	115	115	dB SPL
Total harmonic distortion	800 Hz	1,7	1,1	1,0	0,6	%
	1600 Hz	1,4	1,2	1,0	0,8	%
Telecoil sensitivity (1 mA/m input)	Max.	100	94	-	-	dB SPL
Full-on Telecoil sensitivity @1 mA/m, MASL (IEC)	HFA	-	-	77	77	dB SPL
HFA - SPLITS @ 31.6 mA/m (ANSI)	HFA	-	-	96	97	dB SPL
Equivalent input noise, w/o Noise reduction		27	27	27	27	dB SPL
Frequency range (DIN 45605)		100-7150	100-7140	100-7110	100-7110	Hz
Current Drain		0,87	0,92	0,88	0,93	mA
Typical Battery life time (Battery type 312)		184	174	182	172	hrs

Data in accordance with IEC 60118-0, IEC 60118-7, Supply Voltage 1.3 V.

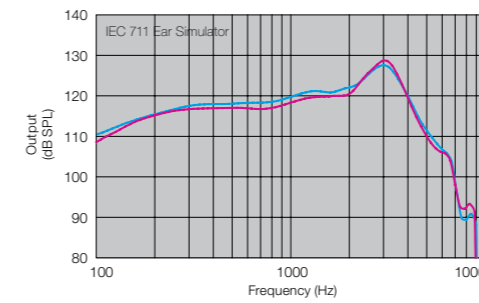
Maximum Output (OSPL 90)



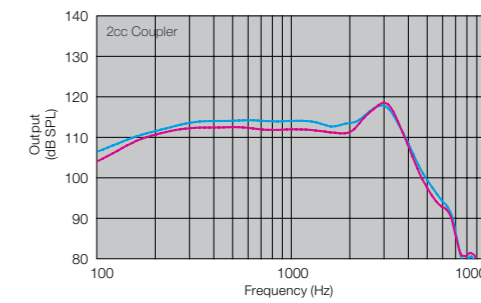
Maximum Output (OSPL 90)



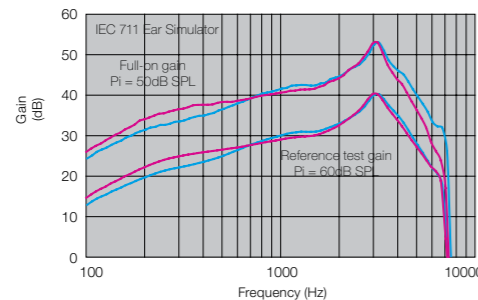
Maximum Output (OSPL 90)



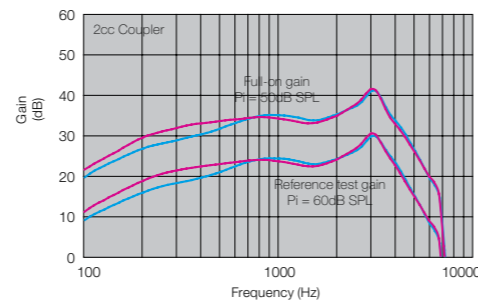
Maximum Output (OSPL 90)



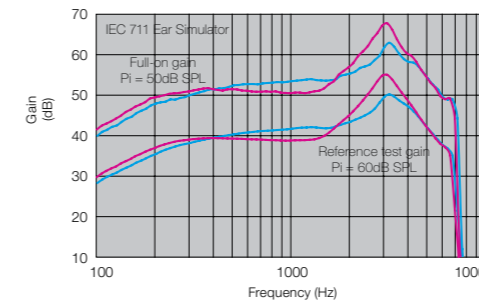
Full-On and Reference Test Gain



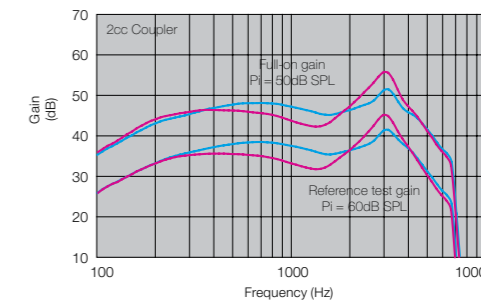
Full-On and Reference Test Gain



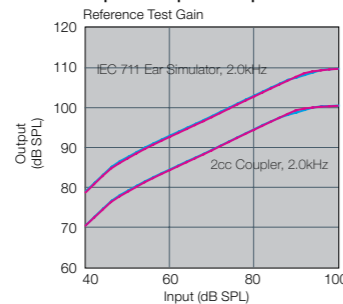
Full-On and Reference Test Gain



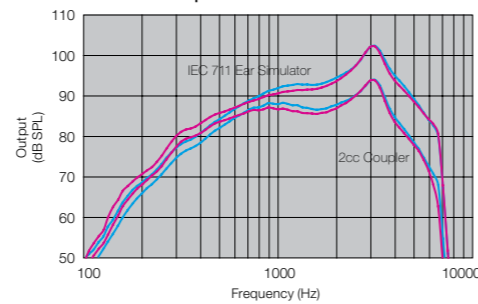
Full-On and Reference Test Gain



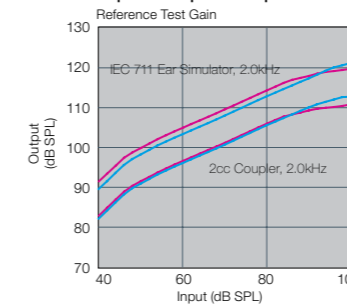
Input/Output Response



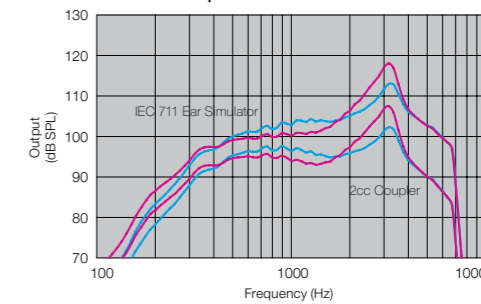
Telecoil Response



Input/Output Response



Telecoil Response



Full-On Gain Parameter Settings*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	20	20	20	20	20	20	20	20	20
G[50]	35	35	35	35	35	35	35	35	35

Reference Test Gain Parameter Settings for 118-0*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	13	13	13	13	13	13	13	13	13
G[50]	28	28	28	28	28	28	28	28	28

Reference Test Gain Parameter Settings for ANSI and 118-7*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	14	14	14	14	14	14	14	14	14
G[50]	29	29	29	29	29	29	29	29	29

*Settings in accordance with Aventa fitting software

Full-On Gain Parameter Settings*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	33	33	33	33	33	33	33	33	33
G[50]	49	49	49	49	49	49	49	49	49

Reference Test Gain Parameter Settings for 118-0*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	26	26	26	26	26	26	26	26	26
G[50]	42	42	42	42	42	42	42	42	42

Reference Test Gain Parameter Settings for ANSI and 118-7*

	250 Hz	500 Hz	750 Hz	1 kHz	1.5 kHz	2 kHz	3 kHz	4 kHz	6 kHz
G[80]	22	22	22	22	22	22	22	22	22
G[50]	37	37	37	37	37	37	37	37	37

*Settings in accordance with Aventa fitting software

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