avio 5

PREMIUM CLASS
HEARING SYSTEM

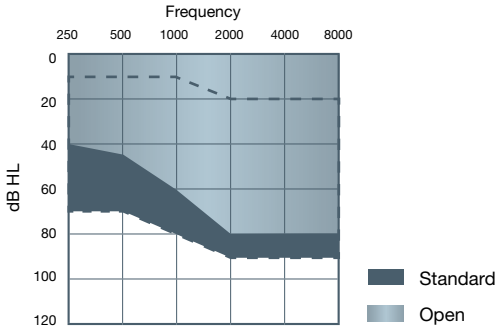
BTE
Technical Datasheet

Models: A570-D • A570-D Open

The new digital programmable AVIO5 is a premium-class product which provides highly adaptive hearing systems, able to cope with all the situations that make up the life of your customers. Intelligent functionality, maximum wearer convenience and ultimate hearing performance ensure that the hearing system will fit your customer like a glove.

Fitting ranges

A570-D • A570-D Open



Standard Features

- Logarithmic 12 Channel WDRC
- 6 Gain Handles in Fitting Software
- Adaptive Noise Reduction
- Wind Noise Reduction
- Microphone Noise Reduction
- Adaptive Feedback Cancellation
- Data Logging
- Push Button with up to 4 Programs
- Telecoil with M-T Balance
- Adaptive Directionality/ 2 microphones
- Digital Volume Toggle/ Learning VC
- Power-on Delay
- Stand-by Mode
- Audible Signal Tones
- Earwax Management System
- Open and Closed configuration
- On/Off switch via the battery door
- Left/right side indicators
- Direct Audio Input with automatic DAI detection

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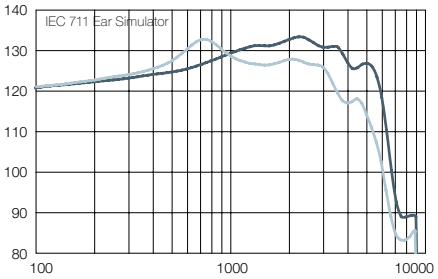
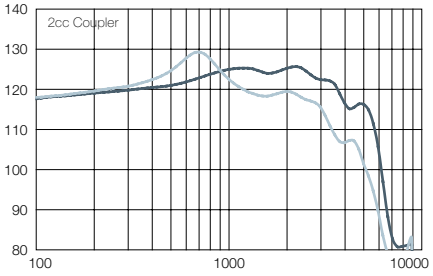
Electroacoustic Performance BTE avio 5	A570-D			A570-D Open			
	IEC 118-0 Ear Simulator	IEC 118-7 2cc Coupler	ANSI S3.22	IEC 118-0 Ear Simulator	IEC 118-7 2cc Coupler	ANSI S3.22	
Maximum Output (OSPL 90)	133	126	126	133	129	129	dB SPL
Average Output (O.E.S.: DIN, 2cc: HFA, Pi=90 dB SPL)	129	125	125	128	120	120	dB SPL
Maximum Gain (Pi=50 dB SPL)	63	56	56	57	51	51	dB
Average Gain (O.E.S.: DIN, 2cc: HFA, Pi=50 dB SPL)	54	51	51	53	45	45	dB
Frequency range (O.E.S.: DIN, 2cc: IEC 60118-7)	100- 6180	100- 6050	100- 6060	100- 5150	100- 5040	100- 5060	Hz
Equivalent input noise	28	25	25	26	27	26	dB SPL
Total Harmonic distortion at 500 Hz at 800 Hz at 1600 Hz	 0,8 0,9 0,5	 1,7 1,2 0,5	 1,7 1,2 0,5	 0,4 0,2 0,8	 0,5 0,1 0,7	 0,5 0,1 0,7	 % % %
Maximum telecoil sensitivity (10 mA/m)	115	-	-	108	-	-	dB SPL
HFA-SPLITS @ 31.6 mA/m (ANSI)	-	108	108	-	102	104	dB SPL
Current Drain (O.E.S.: RTG, Pi=60 dB SPL, 1600 Hz, 2cc: RTG, Pi=65 dB SPL, 1 kHz)	0,9	0,9	0,9	0,9	0,9	0,9	mA
Battery Size	13	13	13	13	13	13	
Battery Life (Average)	330	330	330	330	330	330	hours
Reference Test Gain (O.E.S.: 1600 Hz, 2cc: HFA, Pi=60 dB SPL)	45	48	47	42	42	42	dB

Maximum Output (OSPL 90)



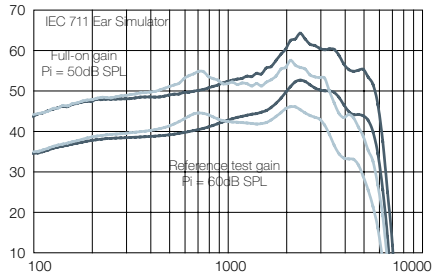
Maximum Output (OSPL 90)



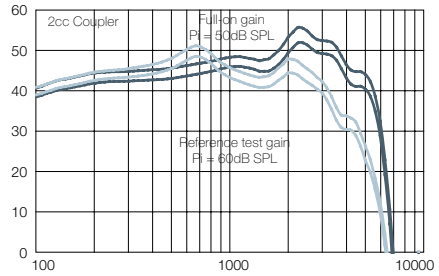
Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 cm³ coupler
Pi = Acoustic input signal

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

Full-On and Reference Test Gain

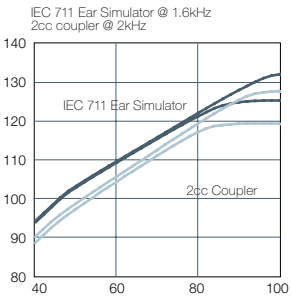


Full-On and Reference Test Gain

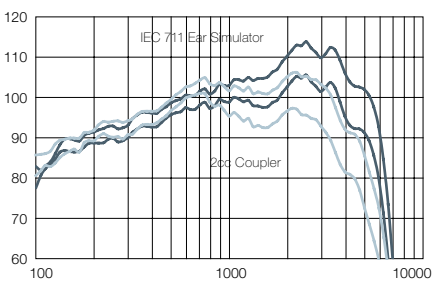


Measured according IEC 118-0 1983, amendment 1994; at 1.3 V and 23°C on O.E.S. according to IEC711 1981, resp on 2cc according to IEC60118-7 2nd edition 2005 (DIN average calculated at 500 Hz, 1000 Hz and 2000 Hz; HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dBSPL sound pressure equals 20µPa). All measurements without DSP features activated unless indicated otherwise.

Input/Output Response



Telecoil



A570-D A570-D Open

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