

AVIO⁵

PREMIUM CLASS
HEARING SYSTEM

ITC

Technical Datasheet

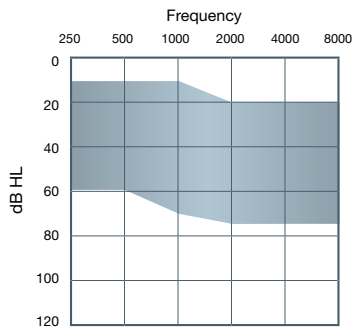


Models: A530 • A530 HPG
A530-D • A530-D HPG

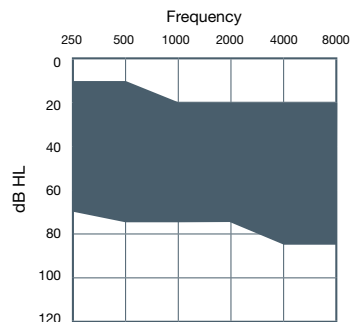
The new digital programmable AVIO5 is a premium-class product which provides highly adaptive hearing systems, able to cope with all the situations that make up the life of your customers. Intelligent functionality, maximum wearer convenience and ultimate hearing performance ensure that the hearing system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

Fitting ranges

A530 • A530-D



A530 HPG • A530-D HPG

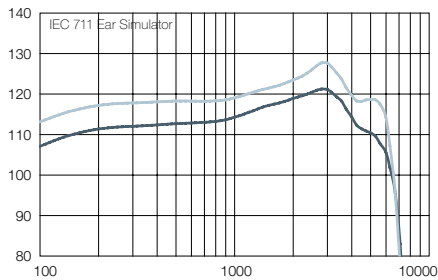


Standard Features

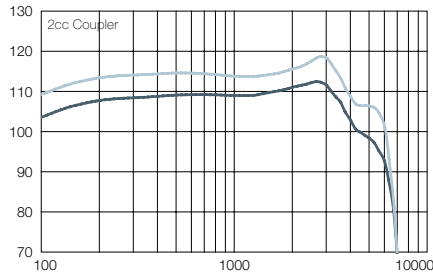
- Logarithmic 12 Channel WDRC
- 6 Gain Handles in Fitting Software
- Adaptive Noise Reduction
- Wind Noise Reduction
- Microphone Noise Reduction
- Adaptive Feedback Cancellation
- Data Logging
- Push Button with up to 4 Programs
- Telecoil with M-T Balance (optional)
- Adaptive Directionality/ 2 microphones (optional)
- Digital Volume Control/ Learning VC (optional)
- Power-on Delay
- Stand-by Mode
- Audible Signal Tones
- Earwax Management System
- Standard and Power Configurations
- On/Off switch via the battery door
- Left/right side indicators

Electroacoustic Performance ITE AUDIO ⁵	A530 + A530-D			A530 HPG + A530-D HPG			
	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)	121	112	112	128	119	119	dB SPL
Average Output (O.E.S.: DIN, 2cc: HFA, Pi=90 dB SPL)	115	110	110	120	115	115	dB SPL
Maximum Gain (Pi=50 dB SPL)	52	43	43	58	50	50	dB
Average Gain (O.E.S.: DIN, 2cc: HFA, Pi=50 dB SPL)	44	39	39	49	44	44	dB
Frequency range (O.E.S.: DIN, 2cc: IEC 60118-7)	100 - 6440	100 - 6310	100 - 6310	100 - 6580	100 - 6460	100 - 6460	Hz
Equivalent input noise	26	25	25	26	26	26	dB SPL
Total Harmonic distortion at 500 Hz at 800 Hz at 1600 Hz	1,8 2,0 2,2	1,1 1,1 1,3	1,1 1,1 1,3	2,1 1,7 2,0	1,0 0,8 1,3	1,0 0,8 1,3	% % %
Maximum telecoil sensitivity (10 mA/m)	103	-	-	110	-	-	dB SPL
HFA-SPLITS @ 31.6 mA/m (ANSI)	-	90	90	-	98	98	dB SPL
Current Drain (O.E.S.: RTG, Pi=60 dB SPL, 1600 Hz, 2cc: RTG, Pi=65 dB SPL, 1 kHz)	0,92	1,0	1,0	0,95	1,0	1,0	mA
Battery Size	312	312	312	312	312	312	
Battery Life (Average)	174	168	168	168	160	160	hours
Reference Test Gain (O.E.S.: 1600 Hz, 2cc: HFA, Pi=60 dB SPL)	34	31	31	39	38	38	dB

Maximum Output (OSPL 90)



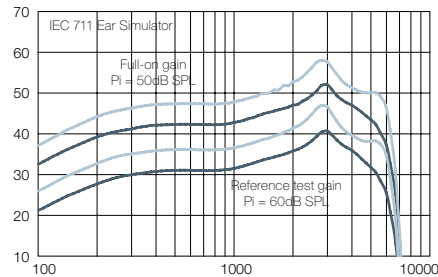
Maximum Output (OSPL 90)



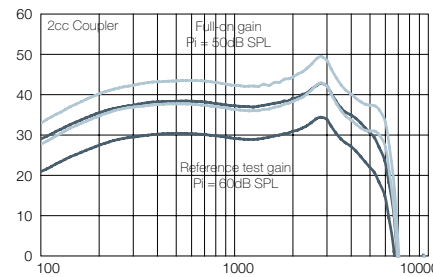
Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 cm³ coupler
Pi = Acoustic input signal

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

Full-On and Reference Test Gain

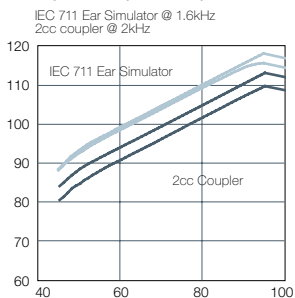


Full-On and Reference Test Gain

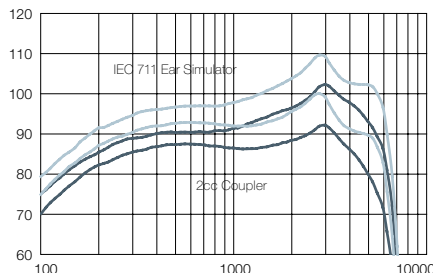


Measured according IEC 118-0 1983, amendment 1994; at 1.3 V and 23°C on O.E.S. according to IEC711 1981, resp on 2cc according to IEC60118-7 2nd edition 2005 (DIN average calculated at 500 Hz, 1000 Hz and 2000 Hz; HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dB SPL sound pressure equals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

Input/Output Response



Telecoil



— Standard — HPG