

ITE

Technical Datasheet



Models: A340 • A340 HPG • A340-D • A340-D HPG
A350 • A350 HPG • A350-D • A350-D HPG

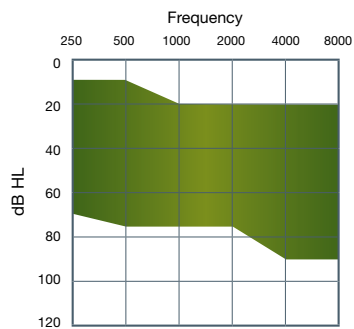
The new digital programmable AVIO3 combines increased responsiveness in every day situations with a raft of comfort-class functions for advance hearing performance. Boost the communicative confidence of your customers with the value-added functionality of AVIO3 to improve the impact they make in their social and professional lifestyles.

Standard Features

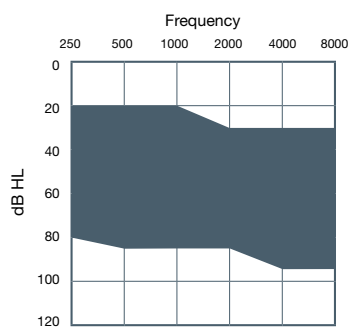
- Logarithmic 9 Channel WDRC
- 6 Gain handles in Fitting Software
- Background Noise Reduction
- Microphone Noise Reduction
- Adaptive Feedback Cancellation
- Data Logging - Quick View
- Push Button with up to 3 Programs
- Telecoil with M-T Balance
- Adaptive Directionality/ 2 microphones (optional)
- Digital Volume Control (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

Fitting ranges

A340 • A350 •
A340-D • A350-D

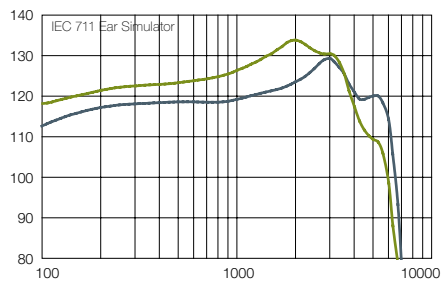


A340 HPG • A350 HPG •
A340-D HPG • A350-D HPG

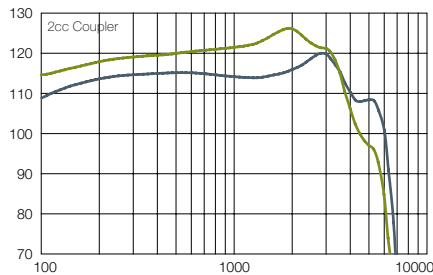


Electroacoustic Performance ITE	A340, A340-D, A350, A350-D			A340 HPG, A340-D HPG, A350 HPG, A350-D HPG			
	IEC 118-0 Ear Simulator	IEC 118-7 2cc Coupler	ANSI S3.22	IEC 118-0 Ear Simulator	IEC 118-7 2cc Coupler	ANSI S3.22	
Maximum Output (OSPL 90)	129	120	120	134	126	126	dB SPL
Average Output (O.E.S.: DIN, 2cc: HFA, Pi=90 dB SPL)	120	116	116	128	123	123	dB SPL
Maximum Gain (Pi=50 dB SPL)	61	52	52	67	59	59	dB
Average Gain (O.E.S.: DIN, 2cc: HFA, Pi=50 dB SPL)	50	46	46	58	53	53	dB
Frequency range (O.E.S.: DIN, 2cc: IEC 60118-7)	100 - 6460	100 - 6330	100 - 6330	100 - 4520	100 - 4820	100 - 4820	Hz
Equivalent input noise	27	26	26	24	24	24	dB SPL
Total Harmonic distortion at 500 Hz	2,3	1,2	1,2	0,9	0,6	0,6	%
at 800 Hz	2,6	1,1	1,1	1,5	0,9	0,9	%
at 1600 Hz	2,9	1,9	1,9	0,7	1,0	1,0	%
Maximum telecoil sensitivity (10 mA/m)	111	-	-	117	-	-	dB SPL
HFA-SPLITS @ 31.6 mA/m (ANSI)	-	99	99	-	107	107	dB SPL
Current Drain (O.E.S.: RTG, Pi=60 dB SPL, 1600 Hz, 2cc: RTG, Pi=65 dB SPL, 1 kHz)	0,99	1,0	1,0	0,99	1,1	1,1	mA
Battery Size	13	13	13	13	13	13	
Battery Life (Average)	293	279	279	293	276	276	hours
Reference Test Gain (O.E.S.: 1600 Hz, 2cc: HFA, Pi=60 dB SPL)	40	39	39	51	47	47	dB

Maximum Output (OSPL 90)



Maximum Output (OSPL 90)



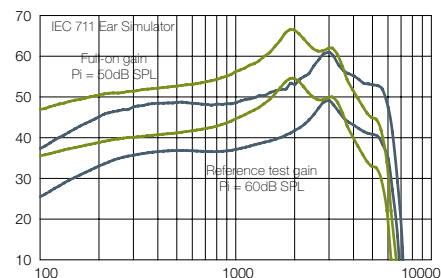
Notes:

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

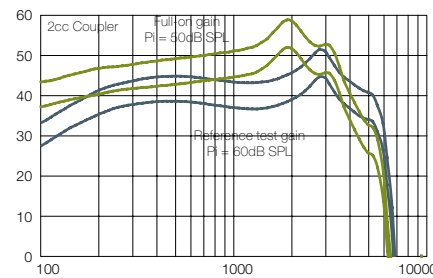
Basic settings:

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

Full-On and Reference Test Gain

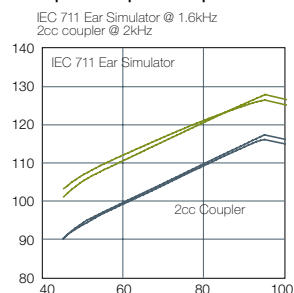


Full-On and Reference Test Gain

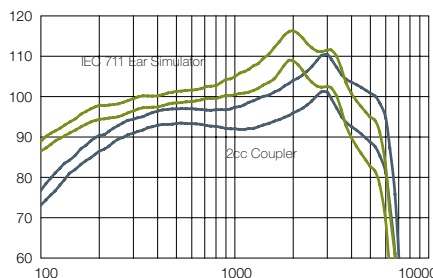


Measured according IEC 118-0 1983, amendment 1994; at 1.3 V and 23°C on O.E.S. according to IEC711 1981, resp on 2cc according to IEC60118-7 2nd edition 2005 (DIN average calculated at 500 Hz, 1000 Hz and 2000 Hz; HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dB SPL sound pressure equals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

Input/Output Response



Telecoil



— Standard — HPG