

CIC with Push Button Technical Datasheet



Models: A310 PB • A310 PB HPG

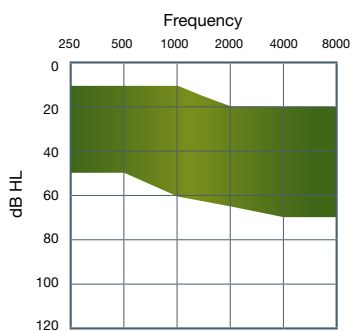
The new digital programmable AVIO3 combines increased responsiveness in every day situations with a raft of comfort-class functions for advance hearing performance. Boost the communicative confidence of your customers with the value-added functionality of AVIO3 to improve the impact they make in their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

Standard Features

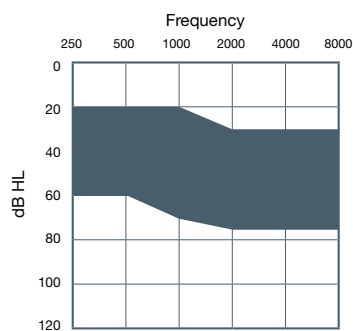
- Logarithmic 9 Channel WDRC
- 6 Gain Handles in Fitting Software
- Background Noise Reduction
- Microphone Noise Reduction
- Adaptive Feedback Cancellation
- Data Logging - Quick View
- Push Button with up to 3 Programs
- Power-on Delay
- Stand-by Mode
- Audible Signal Tones
- Earwax Management System
- Standard and Power Configurations
- On/Off switch via the battery door
- Left/right side indicators

Fitting ranges

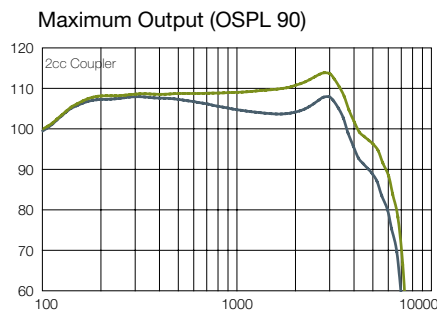
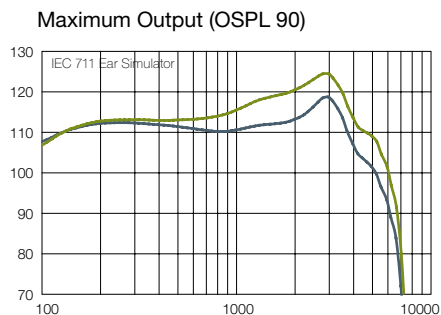
A310 PB



A310 PB HPG



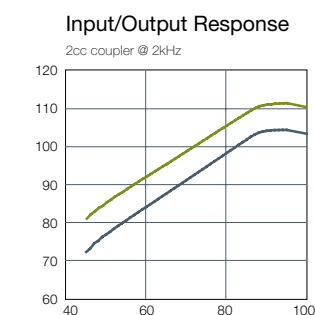
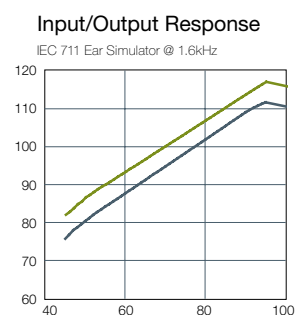
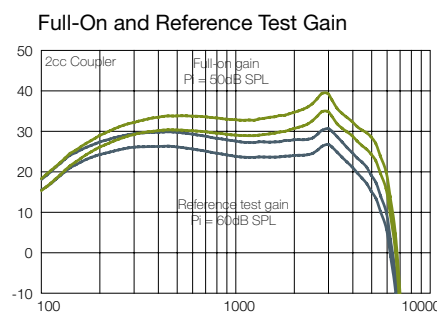
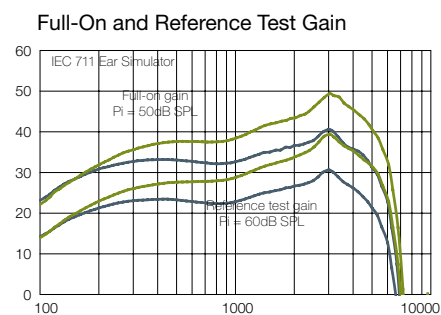
Electroacoustic Performance CIC with Push Button	A310 PB			A310 PB HPG			
	IEC 118-0 Ear Simulator	IEC 118-7 2cc Coupler	ANSI S3.22	IEC 118-0 Ear Simulator	IEC 118-7 2cc Coupler	ANSI S3.22	
Maximum Output (OSPL 90)	119	108	108	124	114	114	dB SPL
Average Output (O.E.S.: DIN, 2cc: HFA, Pi=90 dB SPL)	112	105	105	116	111	111	dB SPL
Maximum Gain (Pi=50 dB SPL)	41	31	31	50	39	39	dB
Average Gain (O.E.S.: DIN, 2cc: HFA, Pi=50 dB SPL)	34	28	28	40	35	35	dB
Frequency range (O.E.S.: DIN, 2cc: IEC 60118-7)	100- 6140	100- 6100	100- 6100	120- 6330	100- 6330	100- 6330	Hz
Equivalent input noise	29	29	29	28	28	28	dB SPL
Total Harmonic distortion at 500 Hz at 800 Hz at 1600 Hz	0,8 0,7 0,9	0,5 0,4 0,9	0,5 0,4 0,9	2,2 1,5 1,1	1,2 0,8 1,1	1,2 0,8 1,1	% % %
Current Drain (O.E.S.: RTG, Pi=60 dB SPL, 1600 Hz, 2cc: RTG, Pi=65 dB SPL, 1 kHz)	0,83	0,9	0,9	0,86	0,9	0,9	mA
Battery Size	10	10	10	10	10	10	
Battery Life (Average)	108	106	106	105	98	98	hours
Reference Test Gain (O.E.S.: 1600 Hz, 2cc: HFA, Pi=60 dB SPL)	26	24	24	32	30	30	dB



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

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.



— PB — PB HPG