

Mini BTE Technical Datasheet

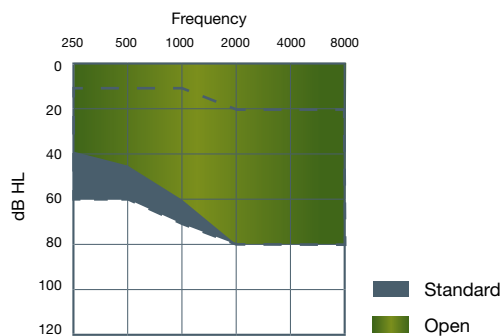


Models: A365-D • A365-D Open

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.

Fitting ranges

A365-D • A365-D Open

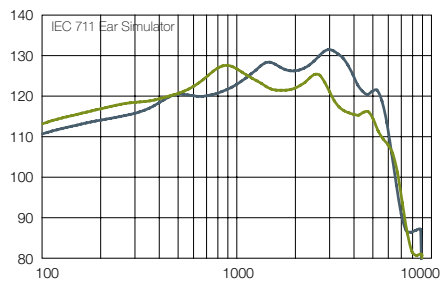


Standard Features

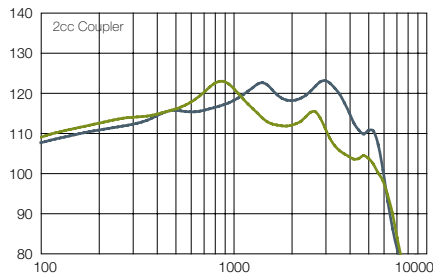
- Logarithmic 9 Channel WDRC
- 6 Gain Handles in Fitting Software
- Background Noise Reduction
- Microphone Noise Reduction
- Adaptive Feedback Cancellation
- Data Logging - Quick View
- Push Button with up to 4 Programs
- Telecoil with M-T Balance
- Adaptive Directionality/ 2 microphones
- Power-on 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

Electroacoustic Performance Mini BTE	A365-D			A365-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)	132	123	123	128	123	123	dB SPL
Average Output (O.E.S.: DIN, 2cc: HFA, Pi=90 dB SPL)	123	120	120	123	116	116	dB SPL
Maximum Gain (Pi=50 dB SPL)	62	54	54	53	48	48	dB
Average Gain (O.E.S.: DIN, 2cc: HFA, Pi=50 dB SPL)	51	47	47	50	42	47	dB
Frequency range (O.E.S.: DIN, 2cc: IEC 60118-7)	100- 6000	100- 5920	100- 5920	100- 5780	100- 5820	100- 5780	Hz
Equivalent input noise	28	27	27	26	28	28	dB SPL
Total Harmonic distortion at 500 Hz	3,7	3,2	3,1	1,2	2,1	2,1	%
at 800 Hz	2,7	3,7	3,5	0,4	0,4	0,4	%
at 1600 Hz	0,8	0,8	0,8	1,9	1,9	1,9	%
Maximum telecoil sensitivity (10 mA/m)	114	-	-	104	-	-	dB SPL
HFA-SPLITS @ 31.6 mA/m (ANSI)	-	105	105	-	100	100	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	312	312	312	312	312	312	
Battery Life (Average)	178	178	178	178	178	178	hours
Reference Test Gain (O.E.S.: 1600 Hz, 2cc: HFA, Pi=60 dB SPL)	43	44	44	39	39	44	dB

Maximum Output (OSPL 90)



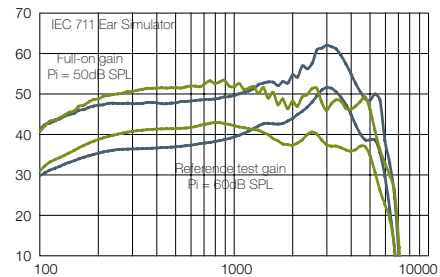
Maximum Output (OSPL 90)



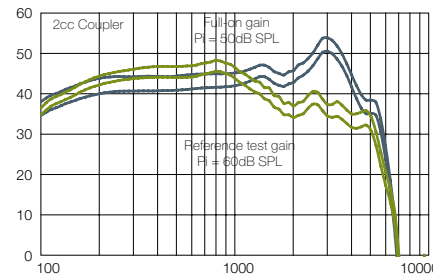
Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 cm³ coupler
Pi = Acoustic input signal

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

Full-On and Reference Test Gain

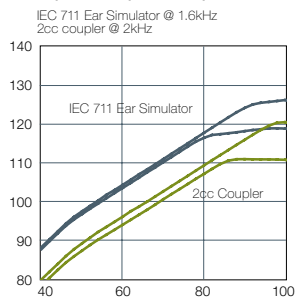


Full-On and Reference Test Gain

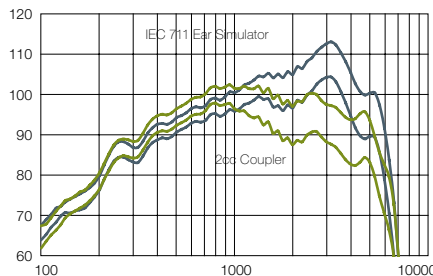


Measured according IEC 118-0 1983, amendment 1994; at 1.3 V and 23°C on O.E.S. according to IEC711 1981, resp on 2cc according to IEC60118-7 2nd edition 2005 (DIN average calculated at 500 Hz, 1000 Hz and 2000 Hz; HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dB SPL sound pressure equals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

Input/Output Response



Telecoil



— A365-D — A365-D Open