

BTE

Technical Datasheet

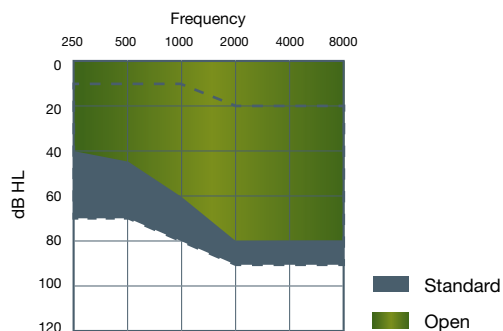


Models: A370-D • A370-D Open

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

A370-D • A370-D Open

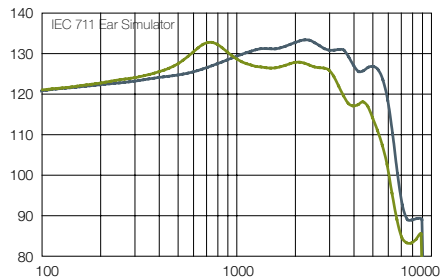


Standard Features

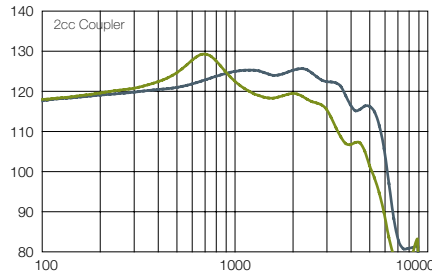
- Logarithmic 9 Channel WDRC
- 6 Gain Handles in Fitting Software
- Background Noise Reduction
- Microphone Noise Reduction
- Adaptive Feedback Cancellation
- Data Logging - Quick View
- Push Button with up to 4 Programs
- Telecoil with M-T Balance
- Adaptive Directionality/ 2 microphones
- Digital Volume Toggle
- 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 BTE audio ³ | A370-D | | | A370-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)



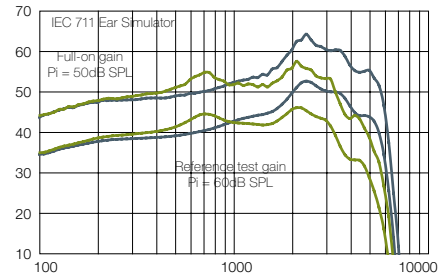
Maximum Output (OSPL 90)



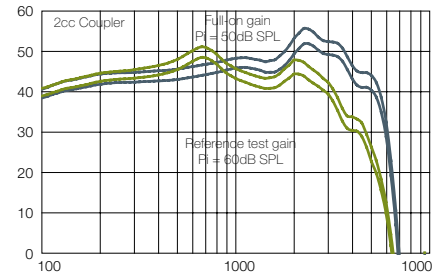
Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 cm³ coupler
Pi = Acoustic input signal

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

Full-On and Reference Test Gain

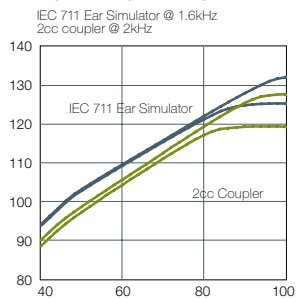


Full-On and Reference Test Gain

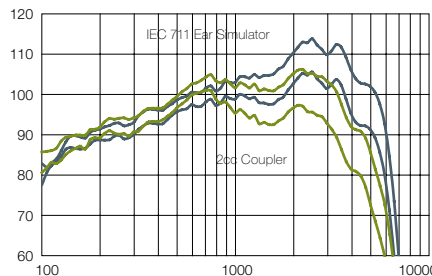


Measured according IEC 118-0 1983, amendment 1994; at 1.3 V and 23°C on O.E.S. according to IEC711 1981, resp on 2cc according to IEC60118-7 2nd edition 2005 (DIN average calculated at 500 Hz, 1000 Hz and 2000 Hz; HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dB SPL sound pressure equals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

Input/Output Response



Telecoil



— A370-D — A370-D Open