Audicus

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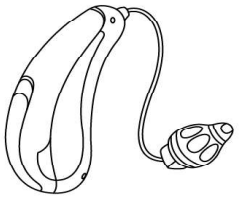
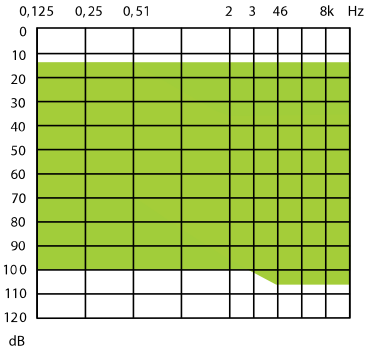


Brief Description

- Behind-the-ear (BTE) hearing aid with receiver-in-canal (RIC) and optional Bluetooth capability
- Suitable for moderate to severe hearing loss with strongest receiver (Power receiver)
- Eight (8) or twelve (12) channels
- Default universal auto-adaptive program adjusts to environments, amplifying close sounds while eliminating background noise
- Additional environmental and volume programs available for use with Basic Remote or Bluetooth Remote
- Two directional microphones for detecting speech
- SoundHD sound processor
- Advanced programming algorithm for amplification of speech/conversation with noise reduction
- Automatic frequency response adjustment in changing acoustic environments
- Adaptive feedback control
- Internal and external nanocoating for moisture resistance
- Binaural synchronization of hearing aids for volume and program control

Fitting Range



Output/Gain

Standard Speaker:	Power Speaker:
113/47	127/57

Accessories

- Domes
- Open-fit tubes
- Size 312 batteries
- Earwax guard and tool
- Complimentary one year warranty
- 45 day trial period
- Available in: Beige, Black, Silver, White, Grey, Brown
- Optional Basic Remote for handheld volume control
- Optional Bluetooth Control for use to stream sounds from phone, television, radio, and more

Homologation Approval

DHI-No. 5042

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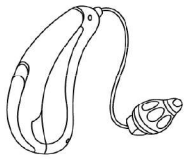
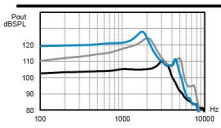
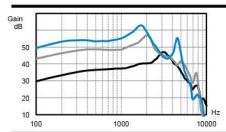
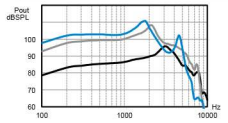
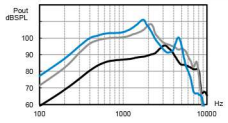
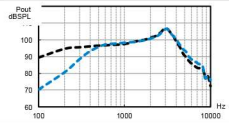
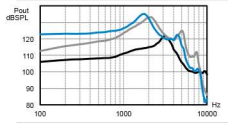
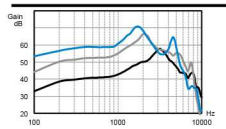
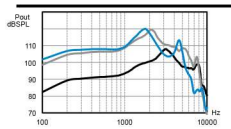
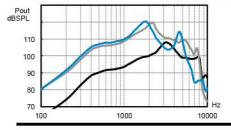


SoundHD 312e Receiver-in-Canal (RIC) Hearing Instrument

	Standard receiver (xS)	Power receiver (xP)	Super power (xSP)
ANSI 3.22 2009/IEC 118-7 2005 2cc coupler technical data			
Reference test frequency - IEC 118-7 (kHz)	1.6	1.6	1.6
 OSPL90			
Maximum (dB SPL)	113	127	131
Nominal (dB SPL)	110	124	128
HFA - OSPL90 (dB SPL)	106	119	121
at RTF (dB SPL)	105	121	127
 Full on gain (input 50 dB SPL)			
Maximum (dB)	47	57	63
HFA - FOG (dB)	40	49	56
at RTF (dB)	40	52	62
 Reference test setting (RTS)			
Frequency range (Hz)	‹100 - 8500	‹100 - 7300	‹100 - 5500
Reference test gain (dB)	29	42	44
Current drain at RTS (mA)	1.15	1.25	1.2
Typical battery life (h)	160	140	150
Equivalent input noise at RTS (dB SPL)	19	18	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.0/1.0/1.0	1.5/1.0/0.5	0.5/0.5/0.5
 Induction coil sensitivity (31.6 mA/m)			
HFA SPLITS/STS-RSETS (dB SPL/dB)	89/0	102/0	104/0
 Standard: mic at 70 dB SPL vs induction coil at 100 mA/m Mic Induction Coil			
Electromagnetic compatibility			
EMC immunity by ANSI c63.19-2007 EMC, omni/telecoil	M4/T4	M4/T4	M4/T4
IEC 118-0 OES coupler technical data			
Reference test frequency - IEC 118-0 (kHz)	1.6	1.6	1.6
 OSPL90			
Maximum (dB SPL)	122	133	135
at RTF (dB SPL)	114	130	134
 Full on gain (input 50 dB SPL)			
Maximum (dB)	58	67	71
at RTF (dB)	48	62	70
 Basic frequency response			
Frequency range (DIN 45605) (Hz)	‹100 - 10000	‹100 - 8000	‹100 - 5800
Reference test gain (dB)	39	55	59
Current drain at RTG (mA)	1.15	1.2	1.2
Typical battery life (h)	160	150	150
Equivalent input noise at RTG (dB SPL)	19	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.0/1.5/1.5	1.5/1.5/1.0	1.0/1.0/0.5
 Induction coil sensitivity			
at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	99	115	119
Electromagnetic compatibility			
EMC immunity by IEC 60118-13, 2011 field strength 90/50/35 V/m, omni. IRIL low/medium/high band (dB SPL)	24/27/27	23/26/24	21/21/28

Legend

- xS receiver
- xP receiver
- xSP receiver

Test conditions

Battery size: 312; Source: voltage 1.3 V
The measurements obtained with a closed configuration using an HA-1 coupler (ANSI-3.7-1995) or occluded ear simulator (EN 60711, coupling arrangement according to fig. 4 in the test standard). The hearing instrument set to HANSATON scout test settings.
Domes should never be fit on patients with perforated eardrums, exposed middle ear cavities, or surgically altered ear canals.
In the case of such a condition, we recommend use of a customized earmold.
Sound pressure level of these hearing aids exceeds 132 dB SPL.