

flow+

312 M BTE Hearing System



312 M

Performance profile

Channels	12	
Processing types	NAL-NL2/NL1 and DSLv5 WDRC and linear	
Signature features		
AutomaticMic	Adaptive Directional	•
	Fixed Directional	•
AcclimatizationManager		•
SoundRestore		•
SurroundOptimizer		•
SpeechLift		•
NoiseReduction		•
BiLink		•
FocussedFit		•

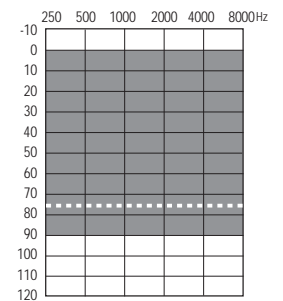
Features

Manual programs	Up to 4
FeedbackManager	•
Direct Sound Management	•
Sound Impulse Manager 2	•
Tinnitus Manager	•
MusicSelect	•
DataLogging	•
Telecoil	•
Plasma coating	•
IP68	•

Class

	M
Output / gain earhook	129/63
Output / gain slim tube	122/56

Fitting guides



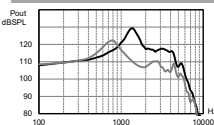
--- Slim tube (power dome)

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Slim Tube
(standard)

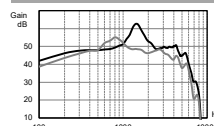
Earhook
(optional)

ANSI 3.22 2014/IEC 60118-0: 2015 2cc coupler technical data



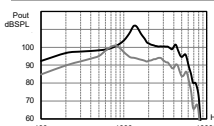
OSPL90

Maximum (dB SPL)	122	129
HFA - OSPL90 (dB SPL)	112	121



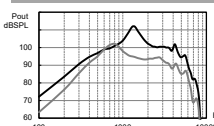
Full on gain (input 50 dB SPL)

Maximum (dB)	56	63
HFA - FOG (dB)	48	53



Reference test setting (RTS)

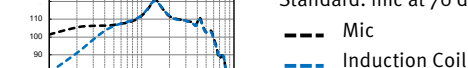
Frequency range (Hz)	<100 - 6500	<100 - 6500
Reference test gain (dB)	35	44
Current drain at RTS (mA)	1.3	1.4
Typical battery life (h)	140	130
Equivalent input noise at RTS (dB SPL)	19	19
Total harmonic distortion at 500Hz/800Hz/1600Hz/3200Hz (%)	1.5/1.5/2.0/1.0	5.0/3.0/2.0/1.0



Induction coil sensitivity (31.6 mA/m)

HFA SPLITS/STS-RSETS (dB SPL/dB)	95/0	104/0
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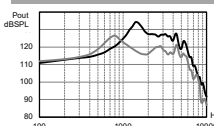
Standard: mic at 70 dB SPL vs induction coil at 100 mA/m



Electromagnetic compatibility

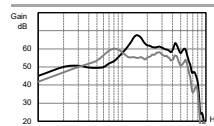
EMC immunity by ANSI c63.19-2011 EMC, omni/telecoil	M4/T4	M4/T4
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IEC 60118-0: 1994 OES coupler technical data



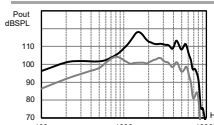
OSPL90

Maximum (dB SPL)	126	Damped Hook 134	Undamped Hook 136
at RTF (dB SPL)	116	133	134



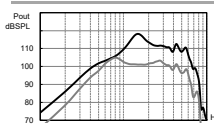
Full on gain (input 50 dB SPL)

Maximum (dB)	60	68	71
at RTF (dB)	55	67	68



Basic frequency response

Frequency range (DIN 45605) (Hz)	<100 - 6600	700 - 6300	
Reference test gain (dB)	41	58	59
Current drain at RTG (mA)	1.2	1.2	
Typical battery life (h)	150	150	
Equivalent input noise at RTG (dB SPL)	19	19	
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.5/1.5/2.0	8.0/5.0/2.0	



Induction coil sensitivity

at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	101	118	119
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Electromagnetic compatibility

EMC immunity by IEC 60118-13, 2011 field strength 90/50/35 V/m, omni. IRIL low/medium/high band (dB SPL)	16/16/16	30/15/15
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Legend

- Earhook
- Slimtube

Test conditions

Earhook: filtered; Battery size: 312; Source: voltage 1.3 V; Tubing: length 25 mm, inside diameter 1.93 mm
The hearing instrument is set to HANSATON scout test settings. LLE is applied at an approximate level of 35 dB SPL. 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.

We reserve the right to change specification data without notice as improvements are introduced.