flow+

S312 Receiver-in-Canal (RIC) Hearing System



S312

Performance profile

Channels		12
Processing types		NAL-NL2/NL1 and DSLv5 WDRC and linear

Signature features

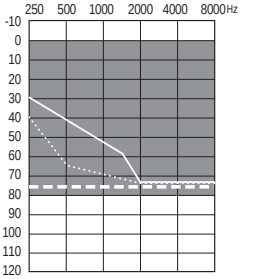
AutomaticMic	Adaptive Directional	•
	Fixed Directional	•
AcclimatizationManager		•
SoundRestore		•
SurroundOptimizer		•
SpeechLift		•
NoiseReduction		•
BiLink		•
FocussedFit		•

Features

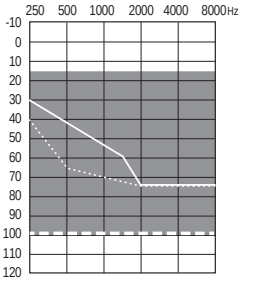
Manual programs	Up to 4
FeedbackManager	•
Direct Sound Management	•
Sound Impulse Manager 2	•
Tinnitus Manager	•
MusicSelect	•
DataLogging	•
Telecoil	•
Plasma coating	•
IP68	•

Receiver 3.0	Standard	Power	Super Power
Output/gain	111/47	124/57	125/62
Open dome	•	•	
Closed dome	•	•	
Power dome	•	•	
Sleeve mold	•	•	
CShell	•	•	•

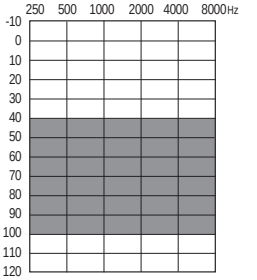
Fitting guides



Standard receiver (xS)



Power receiver (xP)



Super power receiver (xSP)

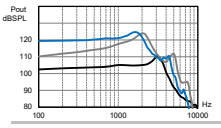
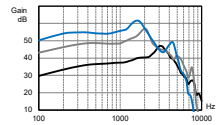
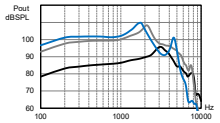
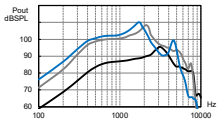
Open dome
Closed dome
Power dome or sleeve mold

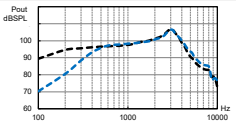
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HANSATON hearing & emotions

flow+ S312 RIC Hearing System

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

	Standard receiver (xS)	Power receiver (xP)	Super power (xSP)
 OSPL90			
Maximum (dB SPL)	111	124	125
HFA - OSPL90 (dB SPL)	106	119	120
 Full on gain (input 50 dB SPL)			
Maximum (dB)	47	57	62
HFA - FOG (dB)	40	50	56
 Reference test setting (RTS)			
Frequency range (Hz)	‹100 - 8500	‹100 - 7300	‹100 - 5500
Reference test gain (dB)	29	42	43
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/3200 Hz (%)	1.0/1.0/1.0/1.0	1.5/1.0/0.5/0.5	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	103/0



Standard: mic at 70 dB SPL vs induction coil at 100 mA/m

Mic

Induction Coil

Electromagnetic compatibility			
EMC immunity by ANSI c63.19-2011 EMC, omni/telecoil	M4/T4	M4/T4	M4/T4

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. 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.

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