

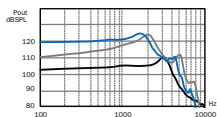
sound SHD S312

Receiver-in-the-Canal (RIC) Hearing System Series

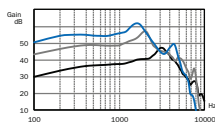


Standard receiver (xS) Power receiver (xP) Super power (xSP)

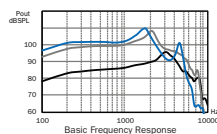
ANSI 3.22 2014/IEC 60118-0: 2015 2cc coupler technical data



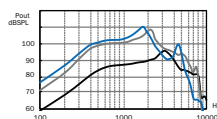
OSPL90	Standard receiver (xS)	Power receiver (xP)	Super power (xSP)
Maximum (dB SPL)	111	124	125
HFA - OSPL90 (dB SPL)	106	119	120



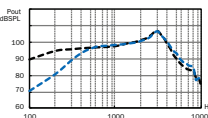
Full on gain (input 50 dB SPL)	Standard receiver (xS)	Power receiver (xP)	Super power (xSP)
Maximum (dB)	47	57	62
HFA - FOG (dB)	40	50	56



Reference test setting (RTS)	Standard receiver (xS)	Power receiver (xP)	Super power (xSP)
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



Induction coil sensitivity (31.6 mA/m)	Standard receiver (xS)	Power receiver (xP)	Super power (xSP)
HFA SPLITS/STS-RSETS (dB SPL/dB)	89/0	102/0	103/0
HFA MASL (1 mA/m at full on gain) (dB SPL)	70	80	86



Standard: mic at 70 dB SPL vs induction coil at 100 mA/m
 - - - Mic
 - - - Induction Coil

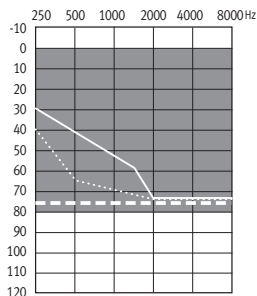
Legend

- xS receiver
- xP receiver
- xSP receiver

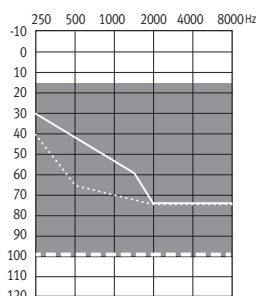
General Test Information

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.
 Monaural Latency in a fitted user mode is 6.5 ms according to ANSI 2051: 2017.
 We reserve the right to change specification data without notice as improvements are introduced.

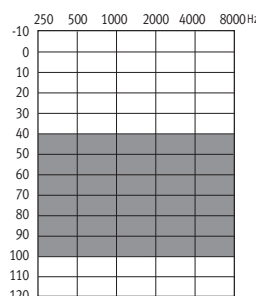
WARNING: Changes or modifications to the hearing aid that are not explicitly approved by the manufacturer are not permitted. Such changes may damage the ear or the hearing aid.



Standard receiver (xS)



Power receiver (xP)



Super power receiver (xSP)

- Open dome
- - - - Closed dome
- - - - Power dome or sleeve mold



CE
0459



Sonova AG
 Laubisrütstrasse 28
 CH-8712 Stäfa, Switzerland

027-6810-02/V1.00/2023-01/dr
 ©2023 HANSATON. All rights reserved.

