

sound SHD

S13 stream Receiver-in-Canal (RIC) Hearing System Series



S13 stream

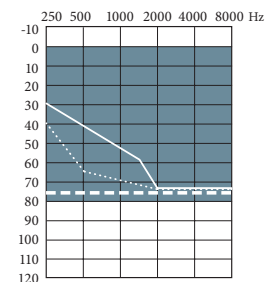
Functionalities	9	7	5	3
Direct Connectivity				
Bluetooth	•	•	•	•
TV Connector	•	•	•	•
Telephone (MFA)	•	•	•	•
Detection				
SurroundSupervisor SHD	•	•	•	•
Localization and Focus				
SphereSound SHD Dynamic	•			
SpeechBeam SHD-3	•			
SphereSound SHD Personalized	•	•		
SpeechBeam SHD-2		•		
SphereSound SHD Static	•	•	•	
SpeechBeam SHD-1			•	
Automatic Program				
Music	•	•		
Noise	•	•	•	
Conversations in a small group	•	•	•	
Conversations in a crowd	•	•	•	
Conversations in noise	•	•	•	•
Conversations in quiet	•	•	•	•
Quiet	•	•	•	•
AutoSurround SHD	7	7	6	3
Optimization and Comfort				
SurroundOptimizer SHD	•	•	•	•
AcclimatizationManager	•	•	•	•
ConversationLift+	•	•	•	Speech Lift
NoiseReduction	•	•	•	•
FeedbackManager	•	•	•	•
Sound Impulse Manager SHD	•	•	•	•
Active Wind Block	•	•	•	•
SoundRestore	•	•	•	•
DataLogging	•	•	•	•
Tinnitus Manager	•	•	•	•
BiLink	•	•	•	•
Channels and Programs				
Channels (G/AGC)	20	16	12	8
No. of programs (AutoSurround SHD/Manual/Wireless)	7/3/2	7/3/2	6/3/2	3/3/2

In all technology levels

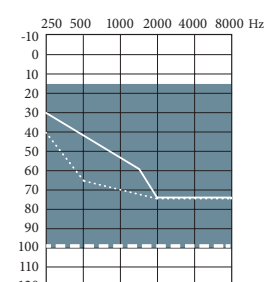
TV Connector, stream remote App

Receiver type	Standard (xS)	Power (xP)	Super Power Plus (xSP plus)
Output / gain	111 / 47	124 / 57	127 / 66
Open dome	•	•	
Closed dome	•	•	
Power dome	•	•	
Sleeve mold	•	•	
cShell (hard and soft options)	•	•	•

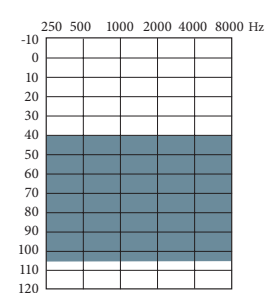
Fitting guides



Standard Receiver (xS)



Power Receiver (xP)



Super Power Plus Receiver (xSP plus)

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

sound SHD S13 stream is rated IP 68



sound SHD

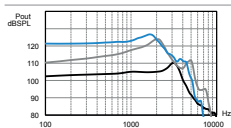
S13 stream Receiver-in-Canal (RIC) Hearing System Series

Standard Receiver (xS)

Power Receiver (xP)

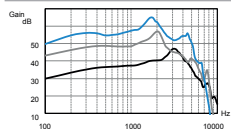
Super Power Plus Receiver (xSP plus)

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



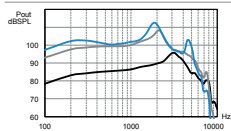
OSPL90

Maximum (dB SPL)	111	124	127
HFA - OSPL90 (dB SPL)	106	119	122



Full on gain (input 50 dB SPL)

Maximum (dB)	47	57	66
HFA - FOG (dB)	40	50	59



Reference test setting (RTS)

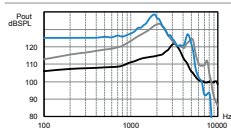
Frequency range (Hz)	<100-8500	<100-7300	<100-6000
Reference test gain (dB)	29	42	45
Current drain at RTS (mA)	1.7	1.7	1.7
Typical battery life (h)	180	180	180
Equivalent input noise at RTS (dB SPL)	19	18	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.0/1.0/1.0	1.5/1.0/0.5	1.0/1.5/1.0

Electromagnetic compatibility

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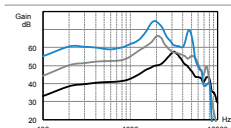
IEC 60118-0: 1994 OES coupler technical data

Reference test frequency - IEC 60118-0 (kHz)	1.6	1.6	1.6
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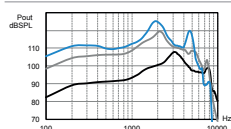
OSPL90

Maximum (dB SPL)	122	133	138
at RTF (dB SPL)	114	130	136



Full on gain (input 50 dB SPL)

Maximum (dB)	58	67	74
at RTF (dB)	48	62	71



Basic frequency response

Frequency range (DIN 45605) (Hz)	< 100-9500	< 100-6700	< 100-5500
Reference test gain (dB)	39	55	61
Current drain at RTG (mA)	1.8	1.8	2.0
Typical battery life (h)	170	170	160
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	1.5/1.5/1.0

Electromagnetic compatibility

EMC immunity by IEC 60118-13, 2016 field strength 90/50/35 V/m, omni. IIRL low/medium/high band (dB SPL)	17/16/17	11/2/14	37/9/13
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Legend

- xS receiver
- xP receiver
- xSP plus receiver

Test conditions

Battery size: 13; 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 system set to HANSATON scout test settings. LLE (Low Level Expansion) 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.

