

beat SHD

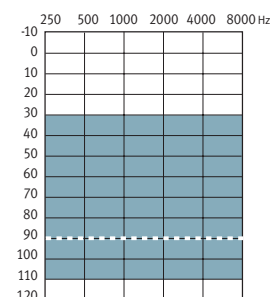
RS13 Hearing System Series



RS13

Functionalities	9	7	5	3
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Fitting guide



--- Power slimtube

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 Power	•	•	•	•
AcclimatizationManager Power	•	•	•	•
ConversationLift+ Power	•	•	•	Speech Lift Power
NoiseReduction	•	•	•	•
FeedbackManager	•	•	•	•
Sound Impulse Manager SHD	•	•	•	•
Active Wind Block	•	•	•	•
SoundRestore Power	•	•	•	•
DataLogging	•	•	•	•
Tinnitus Manager	•	•	•	•
PhoneConnect	•	•	•	•
BiLink	•	•	•	•
BiPhone	•	•	•	•
Bluetooth (accessory needed)	•	•	•	•
Channels and Programs				
Channels (G/AGC)	20	16	12	8
No. of programs (AutoSurround SHD/Manual/Wireless)	7/3/3	7/3/3	6/3/3	3/3/3
In all technology levels				
Audio input, Telecoil, RCV2, uStream, uDirect3, uTV3, uMic2				
Class			SP	
Peak output / gain earhook (filtered, standard)			132/68	
Peak output / gain earhook (unfiltered, optional)			137/75	
Power slimtube (optional)			137/75	
Battery size			13	

beat SHD RS13 is rated IP 68



0124

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RS13 Hearing System Series

Power slimtube
(optional)

Filtered Earhook
(standard)

Unfiltered Earhook
(optional)

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

	OSPL90			
	Maximum (dB SPL)	137	132	137
	HFA - OSPL90 (dB SPL)	122	127	130
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	75	68	75
	HFA - FOG (dB)	60	64	67
	Reference test setting (RTS)			
	Frequency range (Hz)	< 100-6300	< 100-6000	< 100-5900
	Reference test gain (dB)	45	51	53
	Current drain at RTS (mA)	1,8	1,7	1,8
	Typical battery life (h)	170	180	170
	Equivalent input noise at RTS (dB SPL)	19	19	19
	Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	2.0/2.0/1.0	4.0/1.0/1.0	4.0/1.0/1.0
	Induction coil sensitivity (31.6 mA/m)			
	HFA SPLIV/ETLS-RTLS (dB SPL/dB)	105/0	111/0	113/0
	HFA MASL (1 mA/m at full on gain) (dB SPL)	90	94	97
	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		M2/T2	M2/T2	M2/T2

EC 60118-0 OES coupler technical data

Reference test frequency IEC 118-0 (kHz)				
	OSPL90			
	Maximum (dB SPL)			141
	HFA - OSPL90 (dB SPL)			134
	Full on gain (input 50 dB SPL)			
	Maximum (dB)			77
	HFA - FOG (dB)			72

Legend

— Filtered
— Unfiltered

Test conditions

Earhook: filtered; Battery size: 13; Source: voltage 1.3 V; Tubing: length 25 mm, inside diameter 1.93 mm
The hearing system is 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.

