

# jam SHD

## RS13 Hearing System Series



RS13

Functionalities	9	7	5	3
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### Fitting guide

#### Detection

SurroundSupervisor SHD	•	•	•	•
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#### 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	•	•	•	•
PhoneConnect	•	•	•	•
BiLink	•	•	•	•
BiPhone	•	•	•	•
Bluetooth (accessory needed)	•	•	•	•

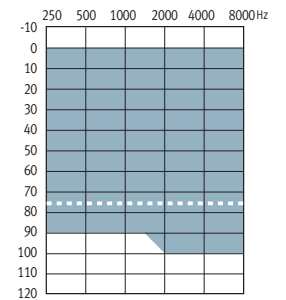
#### Channels and Programs

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

Telecoil, Audio input, RCV2, uStream, uDirect3, uTV3, uMic2

Class	P
Peak output / gain 2cc earhook	131/66
Peak output / gain 2cc slim tube	126/58
Battery size	13



--- Slim tube (power dome)

jam SHD RS13 is rated IP 68



0124

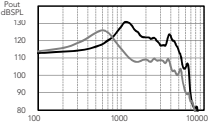
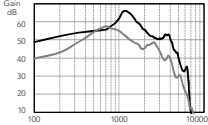
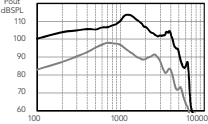
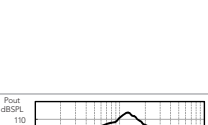
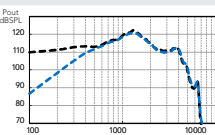
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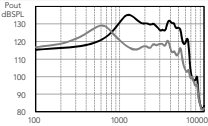
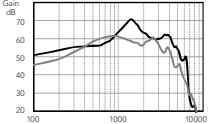
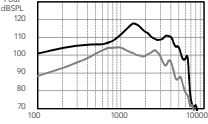

Slim Tube  
(optional)

Earhook  
(standard)

### ANSI 3.22 2014/IEC 60118-7 2005 2cc coupler technical data

	Reference test frequency - IEC 60118-7 (kHz)	2.5	1.6
	OSPL90		
	Maximum (dB SPL)	126	131
	HFA - OSPL90 (dB SPL)	111	125
	at RTF (dB SPL)	110	125
	Full on gain (input 50 dB SPL)		
	Maximum (dB)	58	66
	HFA - FOG (dB)	51	58
	at RTF (dB)	49	60
	Reference test setting (RTS)		
	Frequency range (Hz)	<100-4600	<100-5300
	Reference test gain (dB)	34	48
	Current drain at RTS (mA)	1,15	1,15
	Typical battery life (h)	270	270
	Equivalent input noise at RTS (dB SPL)	18	19
	Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	0.2/0.2/0.5	1.7/1.2/0.7
	Induction coil sensitivity (31.6 mA/m)		
	HFA SPLITS/STS-RSETS (dB SPL/dB)	94/0	108/0
			
Electromagnetic compatibility			
EMC immunity by ANSI c63.19-2011 EMC, omni/telecoil	M4/T4	M4/T4	M4/T4

### IEC 60118-o OES coupler technical data

	Reference test frequency - IEC 60118-o (kHz)	2.5	1.6
	OSPL90		
	Maximum (dB SPL)	130	135
	at RTF (dB SPL)	119	132
	Full on gain (input 50 dB SPL)		
	Maximum (dB)	62	71
	at RTF (dB)	60	68
	Basic frequency response		
	Frequency range (DIN 45605) (Hz)	< 100-5300	< 100-6500
	Reference test gain (dB)	44	57
	Current drain at RTG (mA)	1.15	1.15
	Typical battery life (h)	270	270
	Equivalent input noise at RTG (dB SPL)	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	0.5/0.5/0.9	1.3/1.0/1.0	
	Induction coil sensitivity		
	at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	104	117
Electromagnetic compatibility			
EMC immunity by IEC 60118-13, 2011 field strength 90/50/35 V/m, omni. IRL low/medium/high band (dB SPL)	24/19/19	24/19/19	24/19/19

### Legend

— Tragehaken  
— Slim tube

### Test conditions

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.

