

sound

13 receiver in canal (RIC) hearing aid series



13

Performance profile	9	7	5	3
Channels / bands	20	16	12	8
Processing types	WDCR and linear	WDCR and linear	WDCR and linear	WDCR and linear
Adaptive Directional	Multiband	Multiband	Multiband	Multiband

Features				
SpeechBeam+	•			
Binaural Processing	•			
AutoSurround	AutoSurround 4	AutoSurround 4	AutoSurround 3	AutoSurround 2
SurroundOptimizer+	•	•	•	
SurroundOptimizer				•
AcclimatizationManager	•	•	•	•
BiPhone/Link	•	•	•	•
Pinna Effect	•	•	•	
Manual programs	Up to 3	Up to 3	Up to 3	Up to 3
FeedbackManager	•	•	•	•
Direct Sound Management (DSM)	•	•	•	•
Sound Impulse Manager	•	•	•	•
PhoneConnect	•	•	•	•
MusicSelect	Automatic	Automatic	•	•
Telecoil	•	•	•	•

In all technology levels

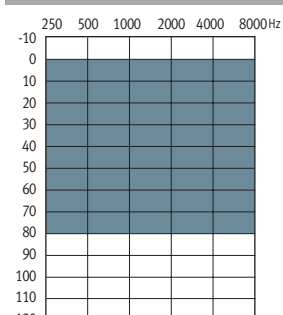
3 wireless programs, DataLogging, Active Wind Block, Tinnitus Manager, plasma coating and IP57

Accessories (optional)

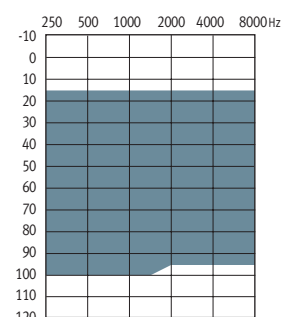
Remote control RCV1	•	•	•	•
uDirect 2	•	•	•	•
uTV 3	•	•	•	•
uMic	•	•	•	•

Receiver type	Standard (xS)	Power (xP)	Super power plus (xSP)
Output / gain	112 / 45	126 / 55	133/65
Open dome	•	•	
Closed dome	•	•	
Power dome	•	•	
Sleeve mold	•	•	
cShell (hard / soft)	•	•	•

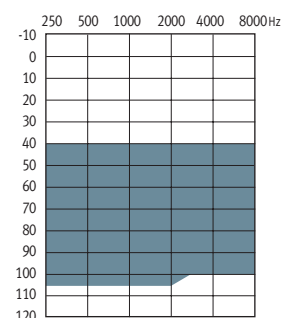
Fitting guides



Standard receiver (xS)



Power receiver (xP)



Super power plus receiver (xSP plus)

CE
0124

40-SP

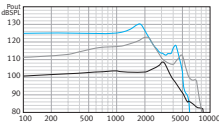
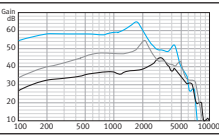
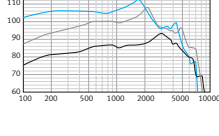
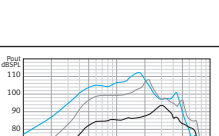
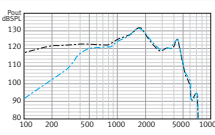
HANSATON
hearing & emotions

sound

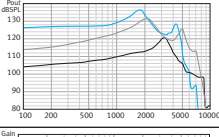
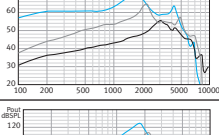
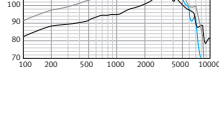
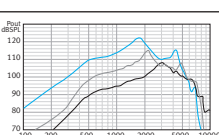
13 RIC series

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




ANSI 3.22 2009/IEC 118-7 2005 2cc coupler technical data

	Reference test frequency - IEC 118-7 (kHz)	1.6	1.6	1.6
	OSPL90			
	Maximum (dB SPL)	112	126	133
	Nominal (dB SPL)	109	123	130
	HFA - OSPL90 (dB SPL)	105	118	124
	at RTF (dB SPL)	104	120	128
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	45	55	65
	HFA - FOG (dB)	39	48	59
	at RTF (dB)	38	49	62
	Reference test setting (RTS)			
	Frequency range (Hz)	<100-8300	<100-7300	<100-5100
	Reference test gain (dB)	28	41	47
	Current drain at RTS (mA)	1.15	1.25	1.4
	Typical battery life (h)	270	250	220
	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	1/1.5/0.5
	Induction coil sensitivity (31.6 mA/m)			
	HFA SPLITS/STS-RSETS (dB SPL/dB)	88/0	101/0	106/-1
	Standard: mic at 70 dB SPL vs induction coil at 100 mA/m			
	Electromagnetic compatibility			
	EMC immunity by ANSI c63.19-2001 EMC, omni/telecoil	M4/T4	M4/T4	M4/T4

IEC 118-o OES coupler technical data

	Reference test frequency - IEC 118-o (kHz)	1.6	1.6	1.6
	OSPL90			
	Maximum (dB SPL)	121	132	137
	at RTF (dB SPL)	113	129	137
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	56	65	72
	at RTF (dB)	46	58	72
	Basic frequency response			
	Frequency range (DIN 45605) (Hz)	<100-8600	<100-7500	<100-4800
	Reference test gain (dB)	39	51	62
	Current drain at RTG (mA)	1.15	1.2	1.4
	Typical battery life (h)	270	260	220
	Equivalent input noise at RTG (dB SPL)	19	18	19
	Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.0/1.5/1.5	1.5/1.5/1.0	2/1.5/1
	Induction coil sensitivity			
	at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	99	109	122
	Electromagnetic compatibility			
	EMC immunity by IEC 60118-13, 2011 field strength 90/50/35 V/m, omni IIRL low/medium/high band (dB SPL)	30/44/52	30/44/52	30/44/52

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 instrument set to HANSATON scout test settings.
 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.

