

sound

312 receiver in canal (RIC) hearing aid series



312

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

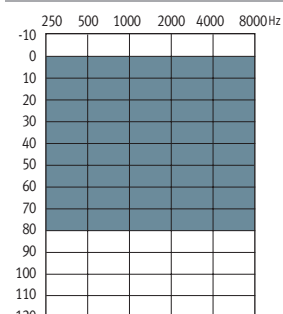
Features				
SpeechBeam+	•			
AutoSurround	AutoSurround 4	AutoSurround 4	AAutoSurround 3	AutoSurround 2
SurroundOptimizer+	•	•	•	
SurroundOptimizer				•
AcclimatizationManager	•	•	•	•
BiPhone/BiLink	•	•	•	•
Pinna Effect	•	•	•	
Manual programs	Up to 3	Up to 3	Up to 3	Up to 3
FeedbackManager	•	•	•	•
Direct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

In all technology levels
3 wireless programs, DataLogging, Active Wind Block, Tinnitus Manager, plasma coating and IP 57

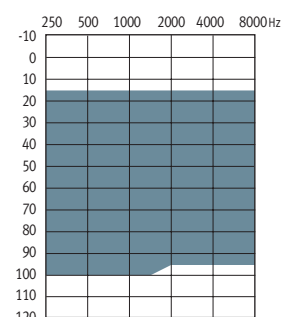
Accessories (optional)				
Remote control RCV1	•	•	•	•
uDirect 2	•	•	•	•
uTV 3	•	•	•	•
uMic	•	•	•	•

Receiver type	Standard (xS)	Power (xP)	Super power (xSP)
Output / gain	112 / 45	126 / 55	129 / 61
Open dome	•	•	
Closed dome	•	•	
Power dome	•	•	
Sleeve mold	•	•	
cShell (hard and soft options)	•	•	•

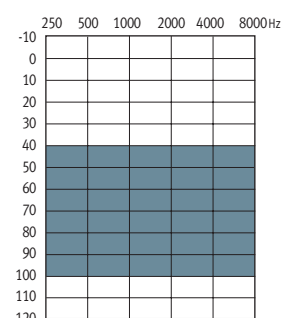
Fitting guides



Standard receiver (xS)



Power receiver (xP)



Super power receiver (xSP)



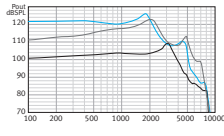
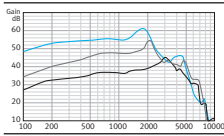
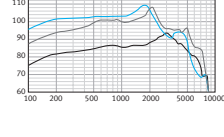
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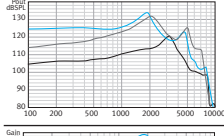
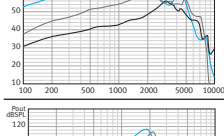
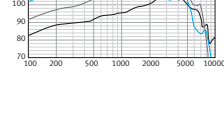
40-SP



sound

312 RIC series

	Standard receiver (xS)	Power receiver (xP)	Super power receiver (xSP)	
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	129
	Nominal (dB SPL)	109	123	126
	HFA - OSPL90 (dB SPL)	105	118	120
	at RTF (dB SPL)	104	120	124
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	45	55	61
	HFA - FOG (dB)	39	48	55
	at RTF (dB)	38	49	60
	Reference test setting (RTS)			
	Frequency range (Hz)	<100-8300	<100-7300	<100-5500
	Reference test gain (dB)	28	41	43
	Current drain at RTS (mA)	1.15	1.25	1.2
	Typical battery life (h)	141	130	135
	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	0.5/0.5/0.5
	Electromagnetic compatibility			
	EMC immunity by ANSI c63.19-2007 EMC, omni	M4	M4	M4

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	133
	at RTF (dB SPL)	113	129	132
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	56	65	69
	at RTF (dB)	46	58	68
	Basic frequency response			
	Frequency range (DIN 45605) (Hz)	<100-8600	<100-7500	<100-5800
	Reference test gain (dB)	39	51	57
	Current drain at RTG (mA)	1.15	1.2	1.2
	Typical battery life (h)	141	135	135
	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	1.0/1.0/0.5
	Electromagnetic compatibility			
	EMC immunity by IEC 60118-13, 2011 field strength 90/50/35 V/m, omni IRIL low/medium/high band (dB SPL)	37/25/41	37/25/41	37/25/41

Legend	Test conditions
<ul style="list-style-type: none"> — xS receiver — xP receiver — xSP receiver 	<p>Battery size: 312; Source: voltage 1.3 V</p> <p>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.</p> <p>Domes should never be fit on patients with perforated eardrums, exposed middle ear cavities, or surgically altered ear canals.</p> <p>In the case of such a condition, we recommend use of a customized earmold.</p> <p>Sound pressure level of these hearing aids exceeds 132 dB SPL.</p> <p>We reserve the right to change specification data without notice as improvements are introduced.</p>