

# Vista TR 312

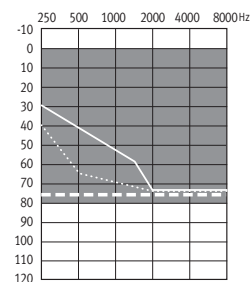
Vista TR 312 910, Vista TR 312 810, Vista TR 312 710,  
Vista TR 312 610, Vista TR 312 510  
312 receiver in canal (RIC) hearing aid series



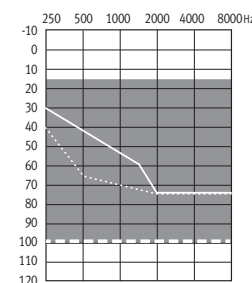
R 312

Soundscape Manager		910	810	710	610	510
Auto Sound Control	Music	•	•			
	Noise	•	•	•		
	Conversation in a crowd	•	•	•		
	Conversation in a small group	•	•	•		
	Conversation in quiet	•	•	•	•	
	Conversation in noise	•	•	•	•	
	Quiet	•	•	•	•	
	Total environments	7	7	6	3	AutoMic
Speech Target Pro	Speech Target Pro	•	Speech Target 2	Speech Target		
	Speech Finder	•	•	•		
	Speech Lock	•				
	Dynamic Sound Mapping	•				
Sound Director	Speech intensifier	•	•	•	•	•
	Noise reduction	•	•	•	•	•
	Adaptive directionality	Multiband	Multiband	Multiband	Multiband	•
Sound Mapping	Sound Mapping	Dynamic	Personalized	•		
	Pinna Effect	•	•	•	•	•
Sound Suite						
	Pulse protector 2	•	•	•	•	•
	Wind control	•	•	•	•	•
	Feedback manager	•	•	•	•	•
	Natural Sound	•	•	•	•	•
Experience innovations						
	Capture All	•	•	•	•	•
	Data logging	•	•	•	•	•
	Trial	•	•	•	•	•
	Upgrade		•	•	•	•
Convenience						
	Rechargeable	•	•	•	•	•
	Wireless synchronization	•	•	•	•	•
	Telecoil and auto phone	•	•	•	•	•
	Binaural Phone	•	•	•	•	
Fitting						
	Automatic Adaptation Manager	•	•	•	•	•
	Music Equalizer	Binaural	Binaural	•	•	•
	Frequency compression	•	•	•	•	•
	Tinnitus masker	•	•	•	•	•
	IntelliVent	•	•	•	•	•
	Streaming programs	•	•	•	•	•
	Manual programs	•	•	•	•	•
	NAL-NL2/NL1 and DSLv5	•	•	•	•	•
	Fitting channels	20	20	16	10	6

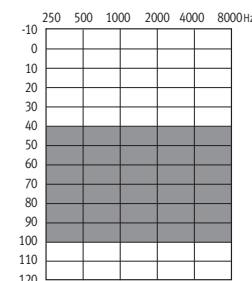
## Fitting guides



## Standard receiver (xS)



## Power receiver (xP)



## Super power receiver (xSP)

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

Vista TR 312 is rated IP 68

# Vista TR 312

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

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

	Reference test frequency - IEC 60118-7 (kHz)	1.6	1.6	1.6
	OSPL90			
	Maximum (dB SPL)	111	124	125
	HFA - OSPL90 (dB SPL)	106	119	120
	at RTF (dB SPL)	105	121	125
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	47	57	62
	HFA - FOG (dB)	40	50	56
	at RTF (dB)	40	52	62
	Reference test setting (RTS)			
	Frequency range (Hz)	<100 - 8500	<100 - 7300	<100 - 5500
	Reference test gain (dB)	29	42	43
	Current drain at RTS (mA)	1.15	1.25	1.2
	Typical battery life (h)	160	140	150
	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
	Induction coil sensitivity (31.6 mA/m)			
	HFA SPLITS/STS-RSETS (dB SPL/dB)	89/0	102/0	103/0
		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	M4/T4	M4/T4	M4/T4

## IEC 60118-o OES coupler technical data

	Reference test frequency - IEC 60118-o (kHz)	1.6	1.6	1.6
	OSPL90			
	Maximum (dB SPL)	122	133	135
	at RTF (dB SPL)	114	130	134
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	58	67	71
	at RTF (dB)	48	62	70
	Basic frequency response			
	Frequency range (DIN 45605) (Hz)	<100 - 9500	<100 - 6700	<100 - 5100
	Reference test gain (dB)	39	55	59
	Current drain at RTG (mA)	1.15	1.2	1.2
	Typical battery life (h)	160	150	150
	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	1.0/1.0/0.5
	Induction coil sensitivity			
	at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	99	115	119
Electromagnetic compatibility				
	EMC immunity by IEC 60118-13, 2011 field strength	24/27/27	23/26/24	21/21/28
	90/50/35 V/m, omni. IIRL low/medium/high band (dB SPL)			

### Legend

- xS receiver
- xP receiver
- xSP receiver

### Test conditions

Battery size: 312; 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 Vista:fit test settings. LLE 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.