



S312

### Performance profile

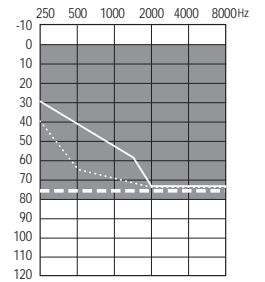
Channels	12	
Processing types	NAL-NL2/NL1 and DSLv5 WDRC and linear	
Signature features		
AutomaticMic	Adaptive Directional	•
	Fixed Directional	•
AcclimatizationManager		•
SoundRestore		•
SurroundOptimizer		•
SpeechLift		•
NoiseReduction		•
BiLink		•
FocussedFit		•

### Features

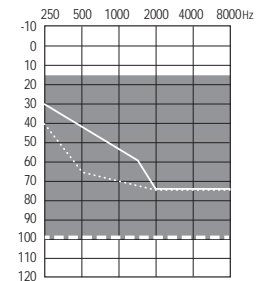
Manual programs	Up to 4	
FeedbackManager		•
Direct Sound Management		•
Sound Impulse Manager 2		•
Tinnitus Manager		•
MusicSelect		•
DataLogging		•
Telecoil		•
Plasma coating		•
IP68		•

Receiver 3.0	Standard	Power	Super Power
Output/gain	111/47	124/57	125/62
Open dome	•	•	
Closed dome	•	•	
Power dome	•	•	
Sleeve mold	•	•	
CShell	•	•	•

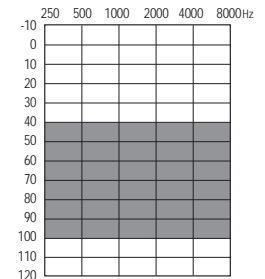
### Fitting guides



Standard receiver (xS)



Power receiver (xP)



Super power receiver (xSP)

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

# Vista Basic+ R 312

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

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

	OSPL90			
	Maximum (dB SPL)	111	124	125
	HFA - OSPL90 (dB SPL)	106	119	120
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	47	57	62
	HFA - FOG (dB)	40	50	56
	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/3200 Hz (%)	1.0/1.0/1.0/1.0	1.5/1.0/0.5/0.5	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
	HFA MASL (1 mA/m at full on gain) (dB SPL)	70	80	86
	Standard: mic at 70 dB SPL vs induction coil at 100 mA/m			
	--- Mic			
	- - - Induction Coil			
Electromagnetic compatibility				
EMC immunity by ANSI c63.19-2011 EMC, omni/telecoil		M4/T4	M4/T4	M4/T4

## IEC 60118-0: 1994 OES coupler technical data

	Reference test frequency - IEC 60118-0 (kHz)	1.6	1.6	1.6
	OSPL90			
	Maximum (dB SPL)	122	133	137
	at RTF (dB SPL)	114	130	134
	Full on gain (input 50 dB SPL)			
	Maximum (dB)	58	67	73
	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. IRIL 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 Aura: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.