



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	•

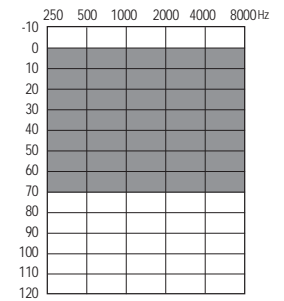
Style

	Receiver				Shell styles
	M	P	HP	SP	
10A Omni	x	D	x		IIC/CIC/MC/ITC/HS/FS
Wireless 312 Directional	x	D	x		ITC/HS/FS
Wireless 13 Directional	x	D	x	x	ITC/HS/FS

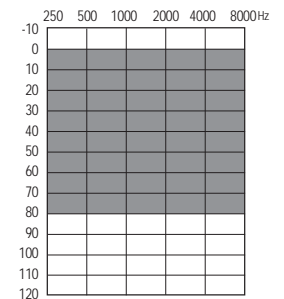
D = default (standard) x = optional

*Directional styles only

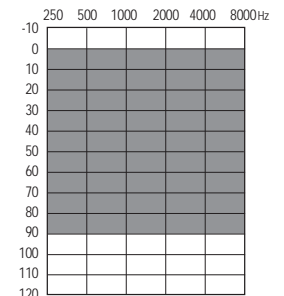
Fitting guides



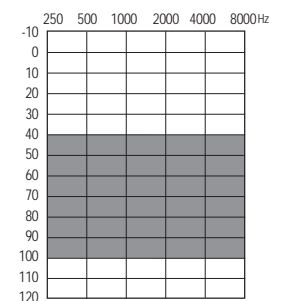
Moderate



Power



High power



Super power

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

	OSPL90				
	Maximum (dB SPL)	109	115	119	127
	HFA - OSPL90 (dB SPL)	103	111	114	120
	Full on gain (input 50 dB SPL)				
	Maximum (dB)	40	50	60	70
	HFA - FOG (dB)	35	46	54	62
	Reference test setting (RTS)				
	Frequency range (Hz)	<100 - 7000	<100 - 6700	<100 - 7000	<100 - 5200
	Reference test gain (dB)	26	34	37	43
	Current drain at RTS (mA) (Wireless)	1.2	1.2	1.2	1.2
	Typical battery life (h) 10A/312/13 (Wireless)	80/150/260	80/150/260	80/150/260	--/150/260
	Current drain at RTS (mA) (Non-Wireless)	0.95	1.0	0.95	N/A
	Typical battery life (h) 10A/312/13 (Non-Wireless)	110/190/--	100/180/--	110/190/--	N/A
	Equivalent input noise at RTS (dB SPL)	19	19	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.0/1.5/1.0/1.0	1.0/1.0/1.0/1.0	1.0/1.0/1.0/1.0	1.0/1.0/1.0/1.0	
	Induction coil sensitivity (31.6 mA/m)				
	HFA SPLITS/STS-RSETS (dB SPL/dB)	86/0	94/0	96/-1	103/0
	HFA MASL (1 mA/m at full on gain) (dB SPL)	65	76	83	92
	Power: 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	M4/T4

IEC 60118-0: 1994 OES coupler technical data

	Reference test frequency - IEC 60118-0 (kHz)	1.6	1.6	1.6	1.6
	OSPL90				
	Maximum (dB SPL)	120	125	129	136
	at RTF (dB SPL)	111	118	120	133
	Full on gain (input 50 dB SPL)				
	Maximum (dB)	50	60	70	78
	at RTF (dB)	43	53	61	76
	Basic frequency response				
	Frequency range (DIN 45605) (Hz)	<100 - 8000	<100 - 6800	<100 - 7700	<100 - 5000
	Reference test gain (dB)	36	43	45	58
	Current drain at RTG (mA) (Wireless)	1.2	1.1	1.2	1.2
	Typical battery life (h) 10A/312/13 (Wireless)	80/150/260	90/160/280	80/150/260	--/150/260
	Current drain at RTG (mA) (Non-Wireless)	0.95	0.95	0.95	N/A
	Typical battery life (h) 10A/312/13 (Non-Wireless)	110/190/--	110/190/--	110/190/--	N/A
	Equivalent input noise at RTG (dB SPL)	19	19	19	19
Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	2.0/2.5/2.0	1.0/2.0/1.0	1.0/1.5/1.0	1.0/1.5/1.0	
	Induction coil sensitivity				
	at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)	95	103	105	119
	Maximum (1 mA/m at full on gain) (dB SPL)	80	89	100	108
	at RTF (1 mA/m at full on gain) (dB SPL)	73	83	91	106
Electromagnetic compatibility					
EMC immunity by IEC 60118-13, 2011 field strength	34/36/34	29/26/35	33/38/36	32/31/32	
90/50/35 V/m, omni. IRIL low/medium/high band (dB SPL)					

Legend Test conditions

— Super Power
— High Power
— Power
— Moderate Power

Battery size: 10A/312/13; Source voltage: 1.3 V; Vent: closed at canal end.
 Tubing 5 mm (2cc/OES coupler) - All Power Levels.
 The hearing instrument is set to Aura:Fit test settings. LLE is applied at an approximate level of 35 dB SPL.
 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.