

NovaSense Elite

R 10 Pro, R 10 80, R 10 70

R 10 receiver in canal (RIC) hearing aid series



R 10

Performance profile	Pro	80	70
Channels	20	20	16
Signature features			
Speech Target 2	Speech Target 2	Speech Target	
Binaural spatial processing	•	•	
Auto Sound Control	7 environments	6 environments	5 environments
Sound Director	•	•	•
Music Equalizer	Automatic binaural	Automatic binaural	•
Binaural Phone	•	•	•
Automatic Adaptation Manager	•	•	•

Features

Adaptive directional	Multiband	Multiband	Multiband
Pinna Effect	•	•	•
Frequency compression	•	•	•
Pulse Protector	•	•	•

In all technology levels

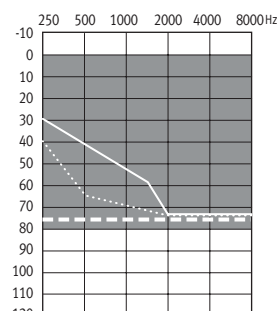
Natural Sound, data logging and Capture All, feedback manager, wind control, tinnitus masker, manual programs, streaming programs, plasma coating, IP67

Accessories (optional)

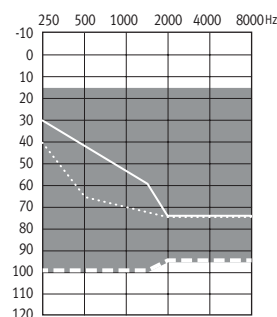
Remote control 2, uStream, uDirect 3, uTV 3, uMic

Receiver type	Standard (xS)	Power (xP)
Output / gain	113/47	127/57
Open dome	•	•
Closed dome	•	•
Power dome	•	•
Sleeve mold	•	•
cShell	•	•

Fitting guides



Standard receiver (xS)



Power receiver (xP)

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

Elite R 10

Standard receiver
(xS)

Power receiver
(xP)

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

	Reference test frequency - IEC 60118-7 (kHz)	1.6	1.6
	OSPL90		
	Maximum (dB SPL)	113	127
	Nominal (dB SPL)	110	124
	HFA - OSPL90 (dB SPL)	106	119
	at RTF (dB SPL)	105	121
	Full on gain (input 50 dB SPL)		
	Maximum (dB)	47	57
	HFA - FOG (dB)	40	49
	at RTF (dB)	40	52
	Reference test setting (RTS)		
	Frequency range (Hz)	<100 - 8500	<100 - 7300
	Reference test gain (dB)	29	42
	Current drain at RTS (mA)	1.15	1.25
	Typical battery life (h)	90	80
	Equivalent input noise at RTS (dB SPL)	19	18
	Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.0/1.0/1.0	1.5/1.0/0.5
Electromagnetic compatibility			
EMC immunity by ANSI c63.19-2011 EMC, omni		M4	M4

IEC 60118-o OES coupler technical data

	Reference test frequency - IEC 60118-o (kHz)	1.6	1.6
	OSPL90		
	Maximum (dB SPL)	122	133
	at RTF (dB SPL)	114	130
	Full on gain (input 50 dB SPL)		
	Maximum (dB)	58	67
	at RTF (dB)	48	62
	Basic frequency response		
	Frequency range (DIN 45605) (Hz)	<100 - 10000	<100 - 8000
	Reference test gain (dB)	39	55
	Current drain at RTG (mA)	1.15	1.2
	Typical battery life (h)	90	80
	Equivalent input noise at RTG (dB SPL)	19	19
	Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)	1.0/1.5/1.5	1.5/1.5/1.0
Electromagnetic compatibility			
EMC immunity by IEC 60118-13, 2011 field strength 90/50/35 V/m, omni. IRIL low/medium/high band (dB SPL)		22/22/22	20/27/30

Legend

- xS receiver
- xP receiver

Test conditions

Battery size: 10; 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 Unitron Truefit 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.