Key features

- Fully software programmable 9 acoustic channel digital hearing instrument with adjustable cut off frequency for electrical and acoustic stimulation
- Acoustic amplification of low frequencies
- Flexibility of instant fit domes (closed, single or double vent, or open)
- Water resistant to IP54 rating in accordance with IEC 60529
- Detachable Hybrid receiver with 4 cable lengths and 3 speaker unit sizes
- Modular component configuration
- Full integration of SmartSound® iQ sound management system

Programming/Fitting software

Custom Sound® 5.0 and higher.

Three acoustic stimulation prescription modes with both linear and Wide Dynamic Range Compression (WDRC) options:

- NAL-RP
- DSL
- CHP (Cochlear Hybrid Prescription)

Choice of programming in overlapping or minimally overlapping modes.

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Nucleus® 7 Sound Processor – Hybrid™ mode

Technical Specifications

The Cochlear™ Nucleus® 7 Sound Processor (model number: CP1000) uses the most sophisticated technology available to deliver the best hearing performance across the widest range of listening environments automatically. For those who have residual hearing, the Nucleus 7 is capable of delivering both acoustic and electrical stimulation simultaneously and seamlessly. In a few simple steps, a hearing professional can exchange the earhook on the sound processor with one that accommodates the Hybrid™ system.

WARNING
No modification of your sound processor or accessories is allowed. Warranty will be void if modified.

Nucleus 7 Sound Processor in Hybrid mode

1. Hybrid earhook
2. Hybrid receiver cable
3. Hybrid receiver speaker unit (under dome)
4. Disposable dome
5. Coil
6. Coil magnet
7. Coil cable
8. Processing unit
9. Compact rechargeable battery module

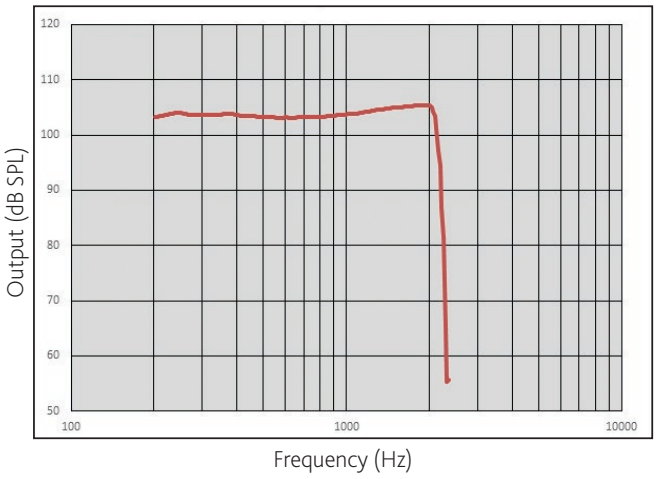
Measurements according to ANSI S3.22-2014 and IEC 60118-0:2015

- Nominal data. Tolerances, where applicable, according to ANSI S3.22-2014 and IEC 60118-7:2005
- While not declaring the processor a Special Purpose Hearing Aid, the SPA frequencies 500, 800 and 1250 Hz are used as relevant frequencies for testing.

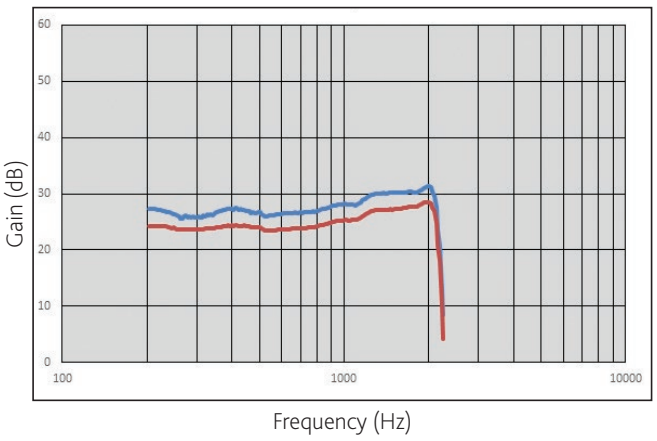
Hybrid Receiver - speaker unit 60

OSPL90 Frequency Response curve (@ 90 dB SPL input)

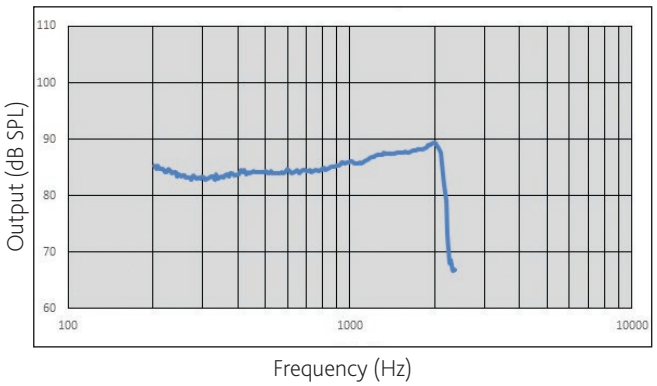
NOTE
The Hybrid Receiver's output does not exceed the OSPL90 Frequency Response.



Gain Response
Full-on gain response curve (@ 50 dB SPL input)
Basic frequency response curve (@ 60 dB SPL input)



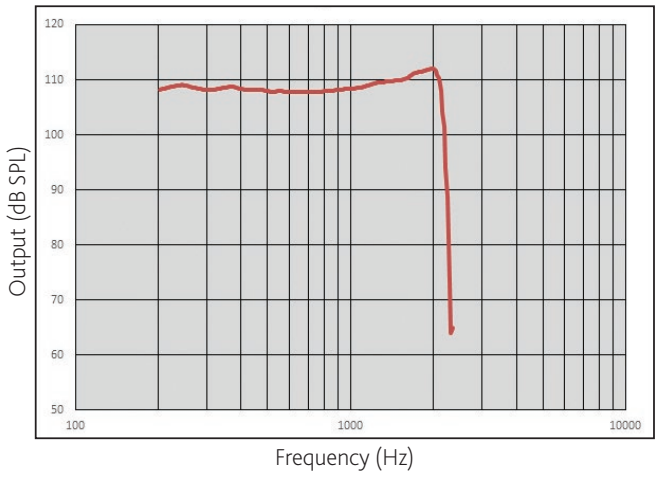
Telecoil Response
SPLIV curve (@ 31.6 mA/m input)

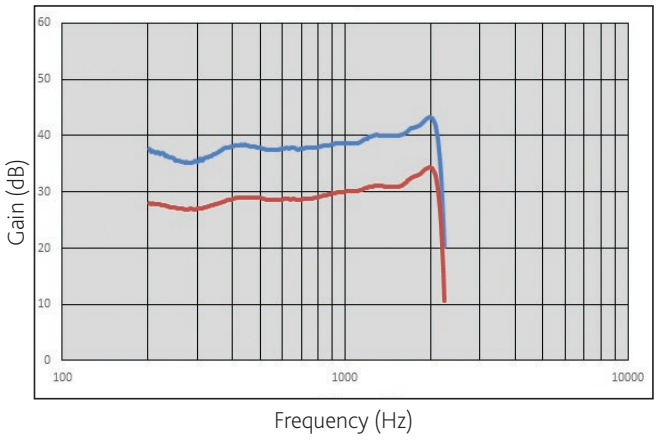


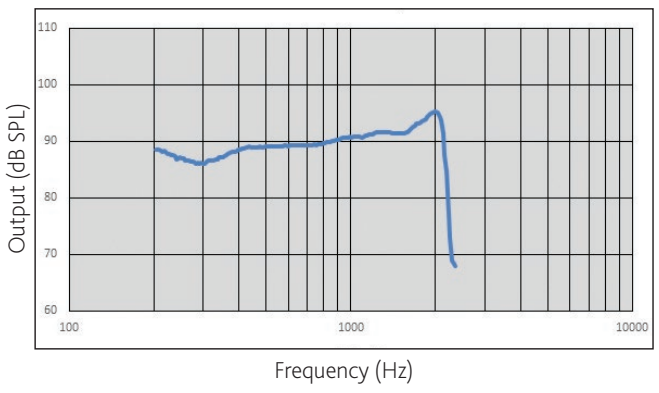
HYBRID RECEIVER - SPEAKER UNIT SIZE		60	85	100	UNITS
Frequency Range			< 200 – 2200		Hz
OSPL90	SPA / Peak	104 / 105	108 / 112	116 / 119	dB SPL
Reference Test Gain		25	30	38	dB
Full-On Gain	SPA / Peak	28 / 31	39 / 43	46 / 52	dB
Total Harmonic Distortion	250 Hz @ 70dB SPL	1.4	0.7	0.5	%
	400 Hz @ 70dB SPL	1.3	0.8	0.6	%
	625 Hz @ 65dB SPL	0.9	0.5	0.7	%
SPA-SPLIV		86	90	99	dB SPL
ETLS * (vertical field)		0	0	1	dB
Equivalent Input Noise (EIN)		23	23	22	dB SPL

* also known as RTLS

Hybrid Receiver - speaker unit 85







Hybrid Receiver - speaker unit 100