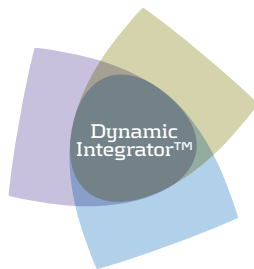


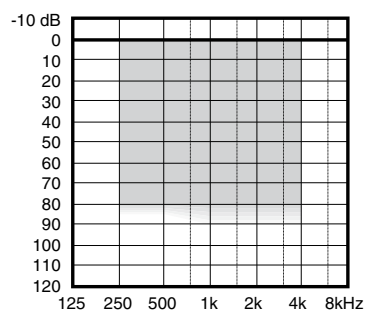
Inteo IN-9

Digital mini-BTE with Integrated signal processing™ and Dynamic Integrator™



Inteo is the first hearing aid on the market to introduce Integrated signal processing™.

Suggested fitting range



Inteo IN-9 with unique features including:

Dynamic Integrator™

- Integration and storage of knowledge

High definition sound analysis

- Sound Diary
- Speech and noise tracer
- S/N ratio tracer
- Spatial feedback tracer
- Spatial sound tracer

High definition sound processing

- High definition Locator
- Multi-directional active feedback cancelling
- Audibility Extender
- Speech Enhancer
- Enhanced Dynamic Range Compression

High definition system optimiser

- Battery monitor
- EcoTech II
- Multi-point microphone matching
- DAI auto-detect

Technology

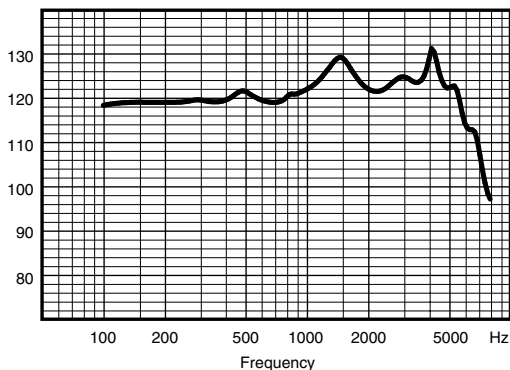
Sampling frequency	2 MHz
Complexity (Gates)	1 million
IC technology	0.13μ

Inteo IN-9

Maximum output - Ear simulator

IEC 60118-0

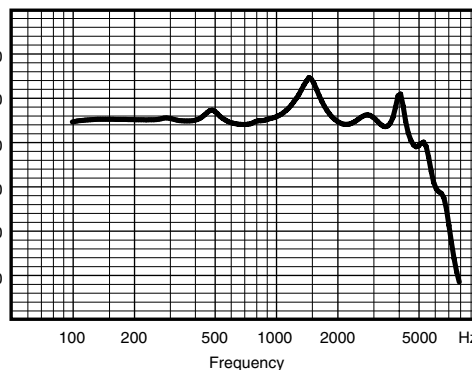
Output dB SPL



Maximum output - 2cc coupler

IEC 60118-7 / ANSI S3.22 (2003)

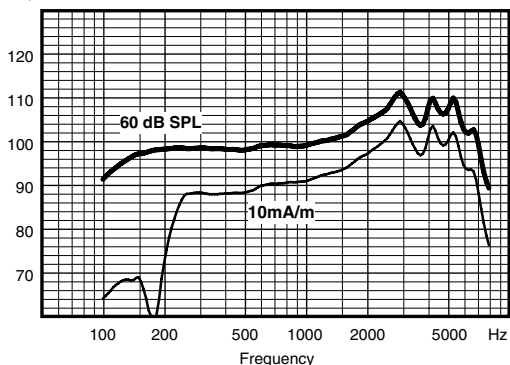
Output dB SPL



Output - Ear simulator

IEC 60118-0

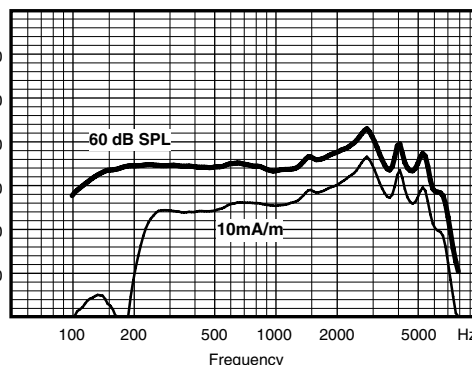
Output dB SPL



Output - 2cc coupler

IEC 60118-7 / ANSI S3.22 (2003)

Output dB SPL



Technical data

Typical data obtained through standard pure tone measurements.

Hearing aid set to linear test mode.

		IEC 60118-0	IEC 60118-7	ANSI S3.22 (2003)
OSPL90	1600 Hz	128 dB SPL	122 dB SPL	122 dB SPL
	Peak	131 dB SPL	125 dB SPL	125 dB SPL
	Average	122 dB SPL	116 dB SPL	118 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	102 dB SPL	96 dB SPL	96 dB SPL
	Peak	112 dB SPL	103 dB SPL	103 dB SPL
	Average	101 dB SPL	95 dB SPL	97 dB SPL
Max gain (special measurement)	1600 Hz	56 dB	50 dB	50 dB
	Peak	67 dB	58 dB	58 dB
	Average	58 dB	52 dB	51 dB
Telecoil output (Input 10 mA/m)	1600 Hz	94 dB SPL	89 dB SPL	89 dB SPL
	Peak	105 dB SPL	97 dB SPL	97 dB SPL
	Average	92 dB SPL	87 dB SPL	89 dB SPL
Frequency range		100 Hz - 10000 Hz	100 Hz - 7250 Hz	100 Hz - 7450 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.3%	0.2%	0.2%
	800 Hz	0.4%	0.2%	0.2%
	1600 Hz	0.2%	0.2%	0.2%
Equivalent input noise		24 dB SPL	24 dB SPL	24 dB SPL
Battery drain (stand by)		0.7 mA	0.7 mA	0.7 mA
Battery drain		0.75 mA	0.75 mA	0.75 mA
Battery life / hours (Type 13 Zn-Air, 270 mAh)		370 (>290)	370 (>290)	370 (>290)
IRIL, IEC 60118-13 (3 / 2 V/m)			-29/-4 dB SPL	

