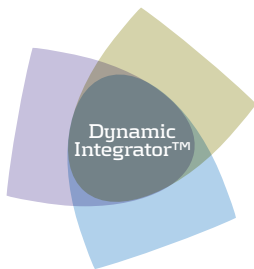


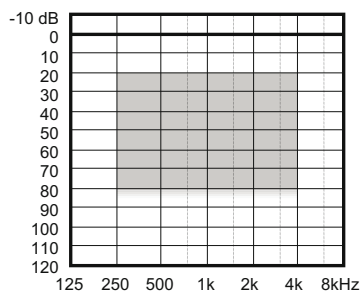
Inteo IN-XP

Digital Power ITE 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-XP 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

Technology

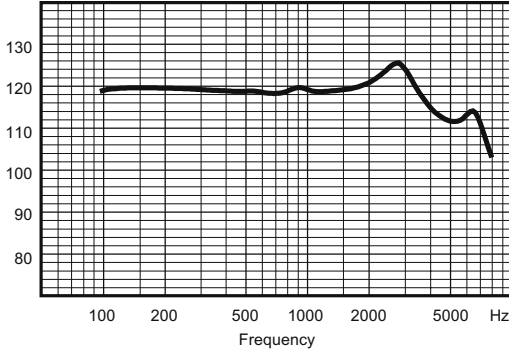
Sampling frequency	2 MHz
Complexity (Gates)	1 million
IC technology	0.13μ

Inteo IN-XP

Maximum output - Ear simulator

IEC 60118-0

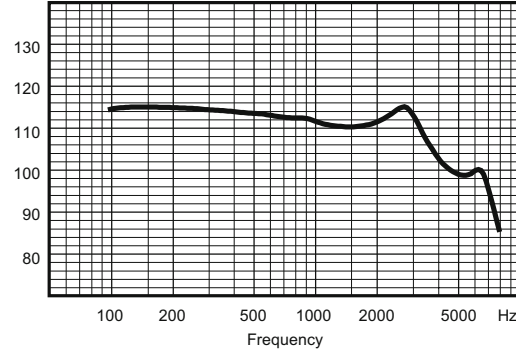
Output dB SPL



Maximum output - 2cc coupler

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

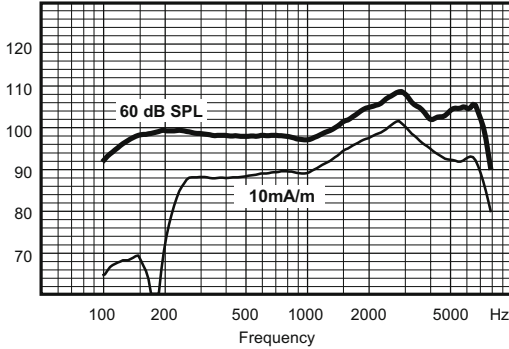
Output dB SPL



Output - Ear simulator

IEC 60118-0

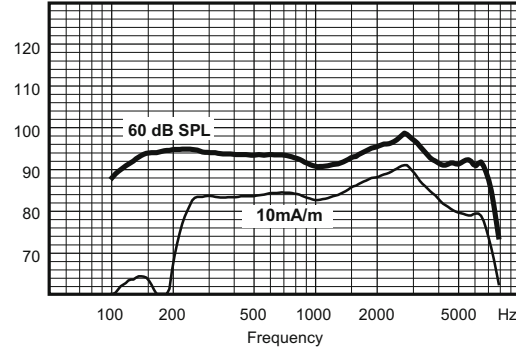
Output dB SPL



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	119 dB SPL	110 dB SPL	110 dB SPL
	Peak	126 dB SPL	115 dB SPL	115 dB SPL
	Average	120 dB SPL	112 dB SPL	112 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	102 dB SPL	93 dB SPL	93 dB SPL
	Peak	109 dB SPL	99 dB SPL	99 dB SPL
	Average	100 dB SPL	93 dB SPL	94 dB SPL
Max. gain (special measurement)	1600 Hz	65 dB	56 dB	56 dB
	Peak	67 dB	60 dB	60 dB
	Average	64 dB	56 dB	55 dB
Telecoil output (Input 10 mA/m)	1600 Hz	95 dB SPL	86 dB SPL	86 dB SPL
	Peak	102 dB SPL	91 dB SPL	91 dB SPL
	Average	92 dB SPL	85 dB SPL	86 dB SPL
Frequency range		100 Hz - 8350 Hz	100 Hz - 7700 Hz	100 Hz - 7950 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	1%	0.7%	0.7%
	800 Hz	1.7%	1.1%	1.1%
	1600 Hz	1%	0.8%	0.8%
Equivalent input noise		25 dB SPL	25 dB SPL	25 dB SPL
Battery drain (stand by)		0.7 mA	0.7 mA	0.7 mA
Battery drain		0.75 mA	0.75 mA	0.8 mA
Battery life / hours (Type 312 Zn-Air, 145 mAh)		195 (>155)	195 (>155)	180 (>145)
IRIL, IEC 60118-13 (3 / 2 V/m)			-33/-39 dB SPL	

