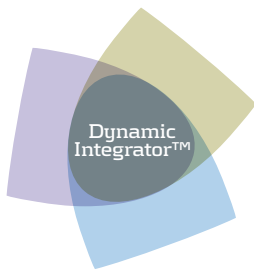


Inteo élan IN-9é

Digital open fit BTE with Integrated signal processing™ and Dynamic Integrator™



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

Inteo IN-9é 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

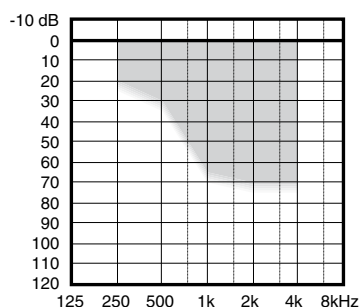
- Battery monitor
- EcoTech II
- Multi-point microphone matching
- DAI auto-detect

Technology

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

Custom élan - CAMISHA compatible

Suggested fitting range

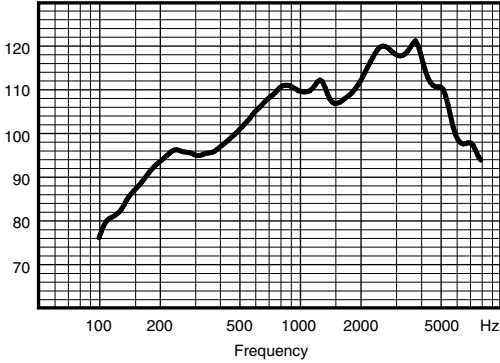


Inteo élan IN-9é

Maximum output - Ear simulator

IEC 60118-0

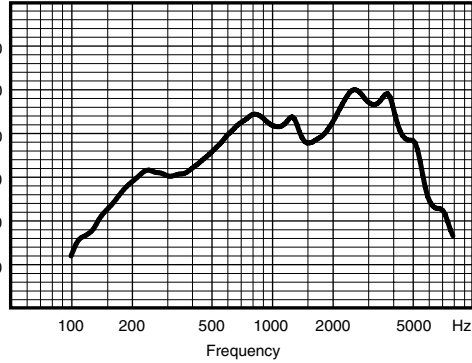
Output dB SPL



Maximum output - 2cc coupler

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

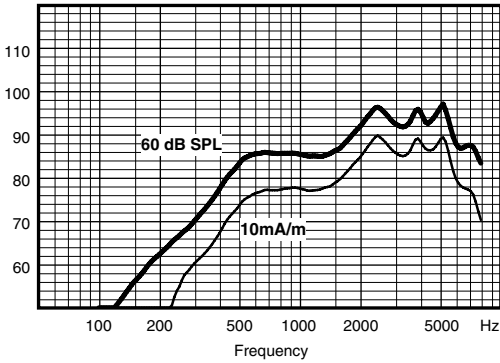
Output dB SPL



Output - Ear simulator

IEC 60118-0

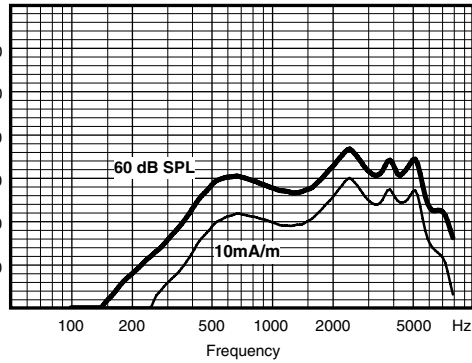
Output dB SPL



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. Data has been measured to reflect the IN-9é output alone. In real life it will be mixed with direct sound coming through the ear canal. Measured through a normal hook and a sealed coupler, the curves will have yet a different shape.

		IEC 60118-0	IEC 60118-7	ANSI S3.22 (2003)
OSPL90	1600 Hz	107 dB SPL	98 dB SPL	98 dB SPL
	Peak	121 dB SPL	110 dB SPL	110 dB SPL
	Average	108 dB SPL	100 dB SPL	103 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	87 dB SPL	78 dB SPL	78 dB SPL
	Peak	97 dB SPL	87 dB SPL	87 dB SPL
	Average	87 dB SPL	80 dB SPL	81 dB SPL
Max gain (Special measurement)	1600 Hz	34 dB	25 dB	25 dB
	Peak	62 dB	51 dB	51 dB
	Average	43 dB	35 dB	35 dB
Telecoil output (Input 10 mA/m)	1600 Hz	80 dB SPL	71 dB SPL	71 dB SPL
	Peak	90 dB SPL	80 dB SPL	80 dB SPL
	Average	79 dB SPL	71 dB SPL	73 dB SPL
Frequency range		320 Hz - 10000 Hz	280 Hz - 8350 Hz	230 Hz - 8950 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.5%	0.4%	0.4%
	800 Hz	0.6%	0.4%	0.4%
	1600 Hz	0.6%	0.5%	0.5%
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)	365 (>290)
IRIL, IEC 60118-13 (3 / 2 V/m)		-29/-4 dB SPL		

