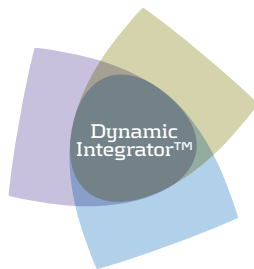


# Inteo IN-CIC

## Digital CIC with Integrated signal processing™ and Dynamic Integrator™



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

Inteo IN-CIC 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
- Feedback tracer

### High definition sound processing

- Active feedback cancelling
- Audibility Extender
- Speech Enhancer
- Enhanced Dynamic Range Compression

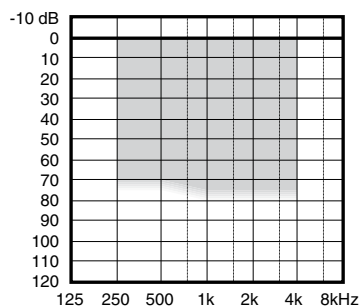
### High definition system optimiser

- Battery monitor
- EcoTech II

### Technology

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

### Suggested fitting range

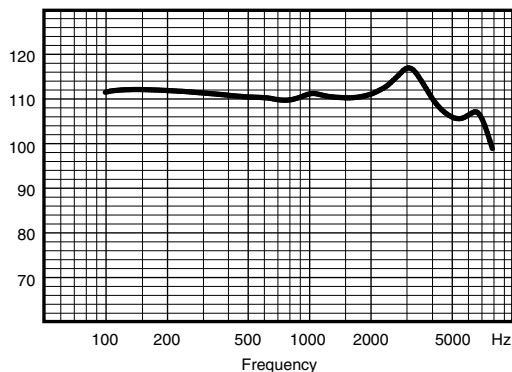


# Inteo IN-CIC

## Maximum output - Ear simulator

IEC 60118-0

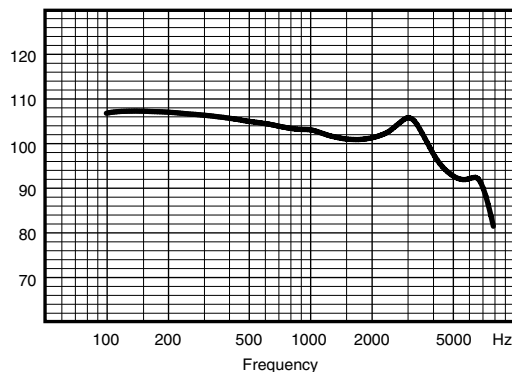
Output dB SPL



## Maximum output - 2cc coupler

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

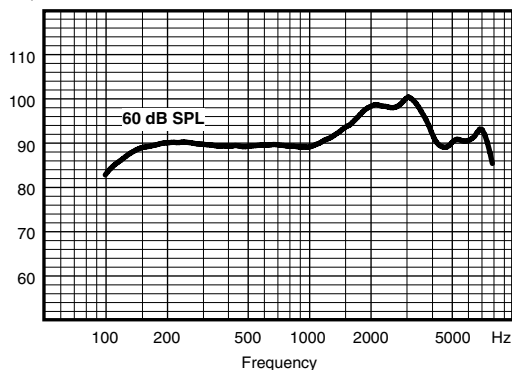
Output dB SPL



## Output - Ear simulator

IEC 60118-0

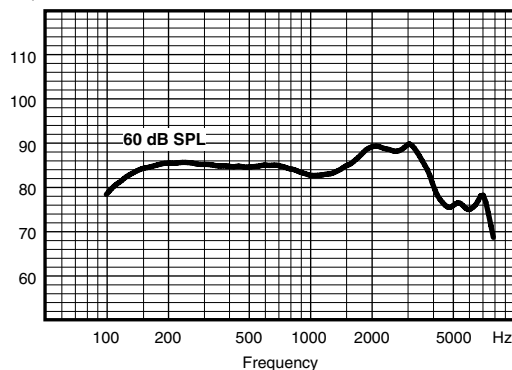
Output dB SPL



## 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	110 dB SPL	101 dB SPL	101 dB SPL
	Peak	117 dB SPL	107 dB SPL	107 dB SPL
	Average	111 dB SPL	103 dB SPL	102 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	94 dB SPL	85 dB SPL	85 dB SPL
	Peak	101 dB SPL	90 dB SPL	90 dB SPL
	Average	92 dB SPL	86 dB SPL	86 dB SPL
Max. gain (special measurement)	1600 Hz	59 dB	50 dB	50 dB
	Peak	61 dB	52 dB	52 dB
	Average	57 dB	50 dB	50 dB
Frequency range		100 Hz - 9100 Hz	100 Hz - 7800 Hz	100 Hz - 8300 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.2%	0.1%	0.1%
	800 Hz	0.3%	0.2%	0.2%
	1600 Hz	0.2%	0.2%	0.2%
Equivalent input noise		26 dB SPL	26 dB SPL	26 dB SPL
Battery drain (stand by)		0.6 mA	0.6 mA	0.6 mA
Battery drain		0.6 mA	0.6 mA	0.6 mA
Battery life / hours (Type 10 Zn-Air, 70 mAh)		120 (>90)	120 (>90)	120 (>90)
IRIL, IEC 60118-13 (3 / 2 V/m)		-39/-37 dB SPL		

