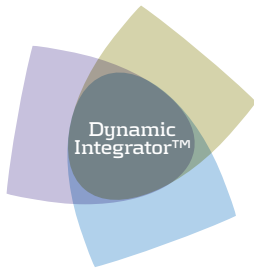


# Inteo IN-m

## Digital micro-BTE with Integrated signal processing™ and Dynamic Integrator™



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

### Inteo IN-m 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

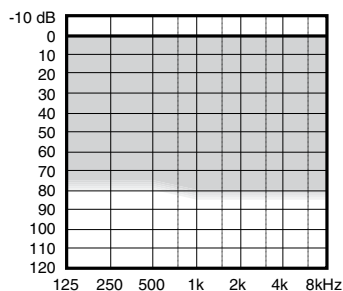
#### Option

- Program button or remote control compatibility

#### Technology

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

### Suggested fitting range

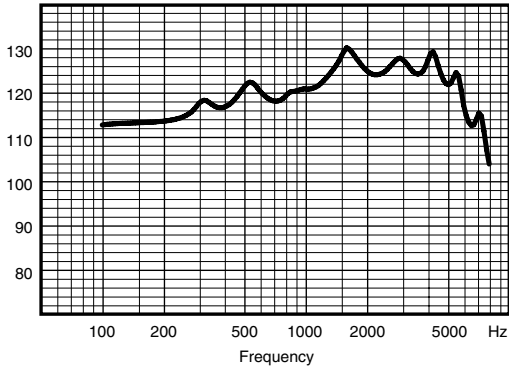


# Inteo IN-m

## Maximum output - Ear simulator

IEC 60118-0

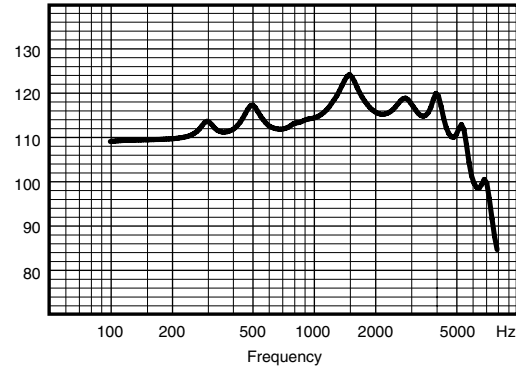
Output dB SPL



## Maximum output - 2cc coupler

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

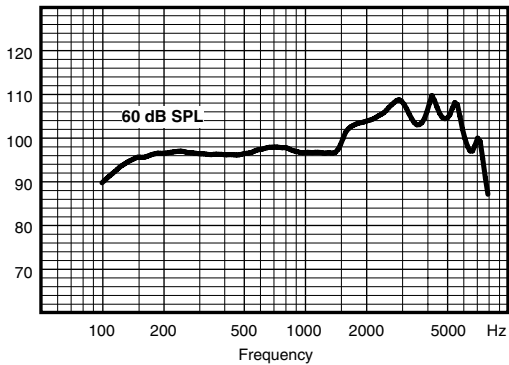
Output dB SPL



## Output - Ear simulator

IEC 60118-0

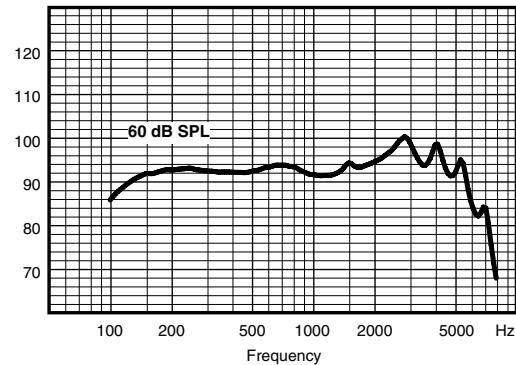
Output dB SPL



## 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, unless stated otherwise

		IEC 60118-0	ANSI S3.22-2003 / IEC 60118-7
OSPL90	2500 Hz	125 dB SPL	117 dB SPL
	Peak	130 dB SPL	124 dB SPL
	Average	123 dB SPL	118 dB SPL
Acoustic output (Input 60 dB SPL)	2500 Hz	107 dB SPL	98 dB SPL
	Peak	110 dB SPL	101 dB SPL
	Average	99 dB SPL	95 dB SPL
Max gain (fixed max gain setting)	2500 Hz	64 dB	55 dB
	Peak	64 dB	56 dB
	Average	56 dB	51 dB
Frequency range		100 Hz - 8250 Hz	100 Hz - 7550 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.9%	0.9%
	800 Hz	2%	2%
	1600 Hz	0.1%	0.1%
Equivalent input noise		23 dB SPL	26 dB SPL
Battery drain (stand by)		0.7 mA	0.7 mA
Battery drain		0.7 mA	0.7 mA
Battery life / hours (Type 10 Zn-Air, 90 mAh)		130 (>100)	125 (>100)
Mobile phone immunity		IRIL: -21/-11 dB SPL	U-rating: M4

