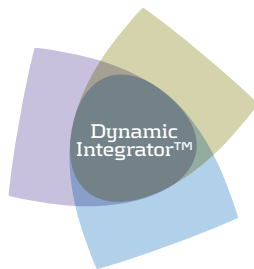


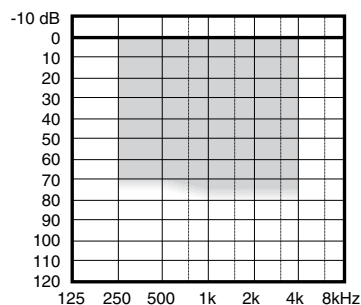
# Inteo IN-X

## Digital 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-X 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

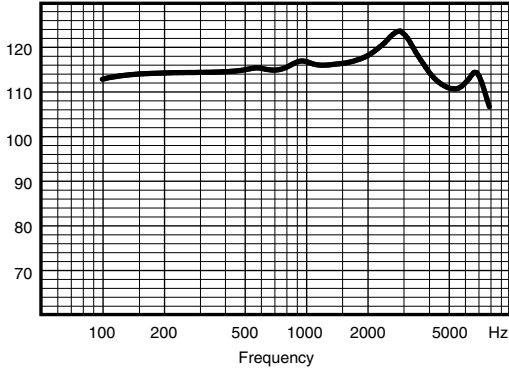
Sampling frequency	2 MHz
Complexity (Gates)	1 million
IC technology	0.13μ

# Inteo IN-X

## Maximum output - Ear simulator

IEC 60118-0

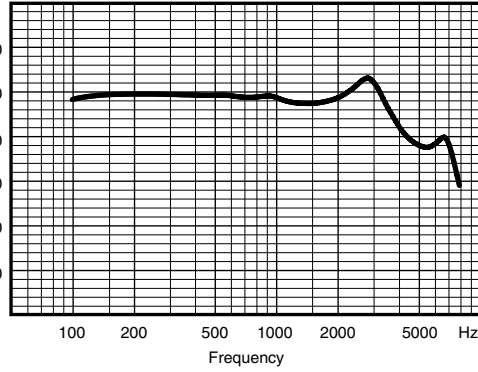
Output dB SPL



## Maximum output - 2cc coupler

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

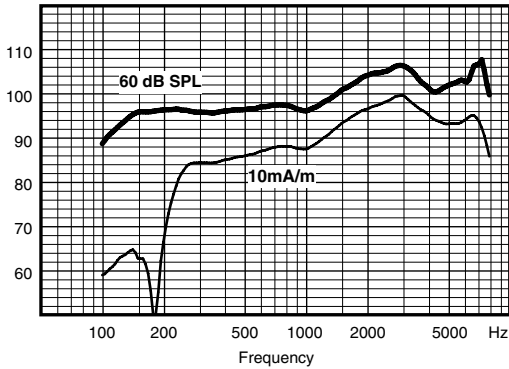
Output dB SPL



## Output - Ear simulator

IEC 60118-0

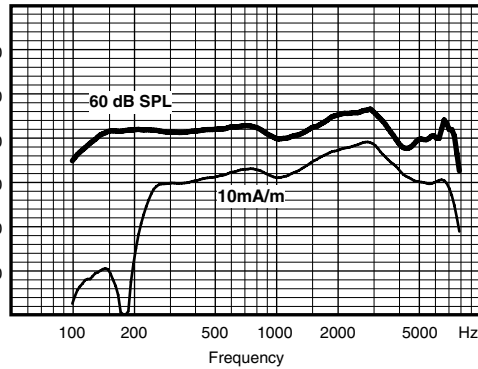
Output dB SPL



## 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	117 dB SPL	108 dB SPL	108 dB SPL
	Peak	124 dB SPL	113 dB SPL	113 dB SPL
	Average	117 dB SPL	109 dB SPL	109 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	102 dB SPL	93 dB SPL	93 dB SPL
	Peak	108 dB SPL	97 dB SPL	97 dB SPL
	Average	99 dB SPL	93 dB SPL	93 dB SPL
Max. gain (special measurement)	1600 Hz	64 dB	56 dB	56 dB
	Peak	65 dB	58 dB	58 dB
	Average	63 dB	56 dB	54 dB
Telecoil output (Input 10 mA/m)	1600 Hz	94 dB SPL	85 dB SPL	85 dB SPL
	Peak	100 dB SPL	89 dB SPL	89 dB SPL
	Average	90 dB SPL	83 dB SPL	85 dB SPL
Frequency range		100 Hz - 9850 Hz	100 Hz - 8500 Hz	100 Hz - 8700 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.8%	0.5%	0.5%
	800 Hz	0.6%	0.3%	0.3%
	1600 Hz	1.6%	1.3%	1.3%
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)			-35/-9 dB SPL	

