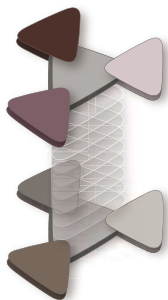


mind440 m4-X

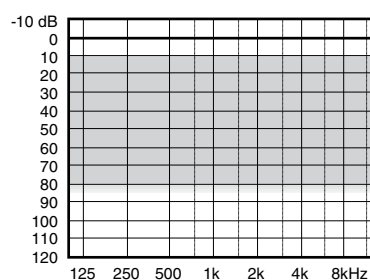
Digital ITE with Dual ISP



mind440 is the first hearing aid on the market to introduce Dual Integrated Signal Processing

Minimal to moderately severe hearing losses

Suggested fitting range



Dual Integrated Signal Processing

- Dual layer integration of knowledge and performance
- Dynamic Integrator™
- Listening layer
- Awareness layer
- 15 frequency bands
- 15 compression channels

Main listening features

- HD Locator™
- Audibility Extender™
- Multi-directional Active Feedback Cancelling
- Speech Enhancer™
- TruSound™ compression system with EDRC

Main awareness features

Fractal generator

- Fractal computation
- Melody composition

Signal integrity

- High definition program handling

Speech and sound synthesis

- SmartSpeak™ generator
- SmartTone generator

Hearing aid characteristics

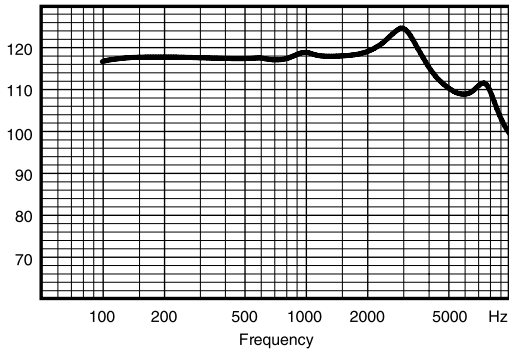
- Optional remote control
- Program button
- Optional volume control
- Optional telecoil

mind440 m4-X

Maximum output - Ear simulator

IEC 60118-0

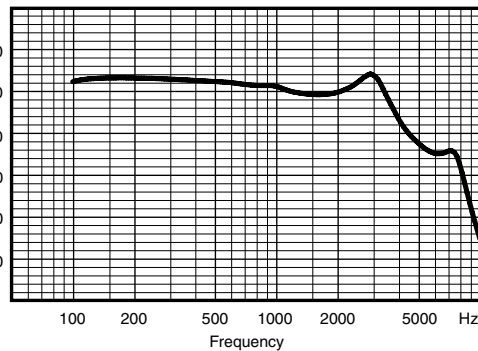
Output dB SPL



Maximum output - 2cc coupler

IEC 60118-7 / ANSI S3.22-2003

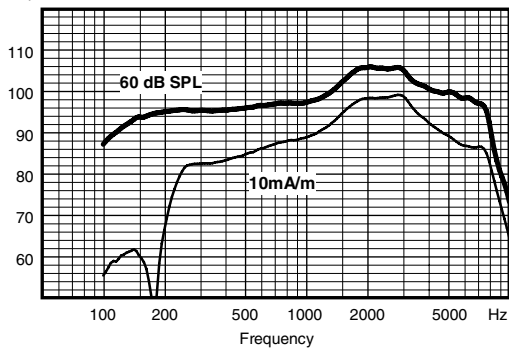
Output dB SPL



Output - Ear simulator

IEC 60118-0

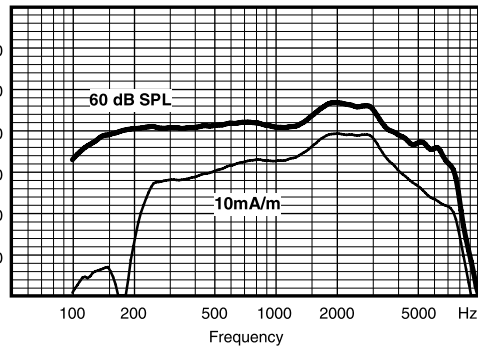
Output dB SPL



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 Compass Test mode 1, unless stated otherwise.
Measured using a standard ITE coupler.

		IEC 60118-0	ANSI S3.22-2003 / IEC 60118-7
OSPL90	2500 Hz	122 dB SPL	112 dB SPL
	Peak	125 dB SPL	114 dB SPL
	Average	119 dB SPL	111 dB SPL
Acoustic output (Input 60 dB SPL)	2500 Hz	106 dB SPL	96 dB SPL
	Peak	106 dB SPL	97 dB SPL
	Average	100 dB SPL	94 dB SPL
Max gain (Input 50 dB SPL, Compass Max gain test mode)	2500 Hz	63 dB	53 dB
	Peak	67 dB	58 dB
	Average	63 dB	56 dB
Telecoil output (Input 10 mA/m)	2500 Hz	99 dB SPL	89 dB SPL
	Peak	100 dB SPL	90 dB SPL
	Average	91 dB SPL	86 dB SPL
Frequency range		100 Hz - 8600 Hz	100 Hz - 8100 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.3%	0.2%
	800 Hz	0.6%	0.4%
	1600 Hz	1%	0.7%
Equivalent input noise		19 dB SPL	21 dB SPL
Battery drain (stand by)		0.85 mA	0.85 mA
Battery drain		0.9 mA	0.9 mA
Battery life / hours (Type 312 Zn-Air, 145 mAh)		165 (>135)	160 (>130)
Mobile phone immunity		IRIL: -39/-30 dB SPL	U-rating: M3/T3

