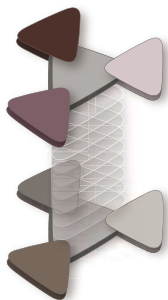


mind440 m4-9

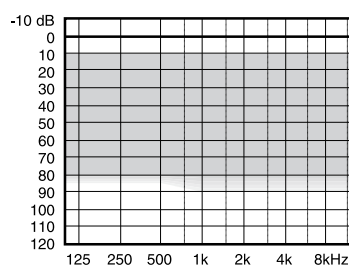
Digital mini-BTE with Dual ISP



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

Minimal to 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

- DAI auto-detect
- High definition program handling

Speech and sound synthesis

- SmartSpeak™ generator
- SmartTone generator

Hearing aid characteristics

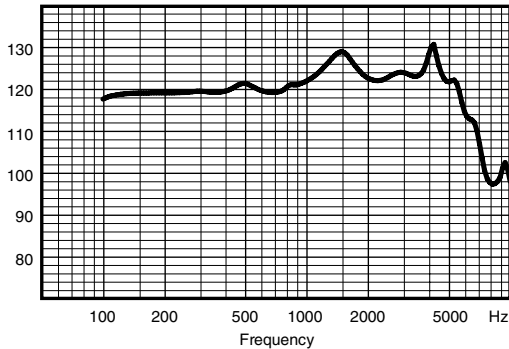
- Optional remote control
- Optional volume control
- Program button
- Telecoil

mind440 m4-9

Maximum output - Ear simulator

IEC 60118-0

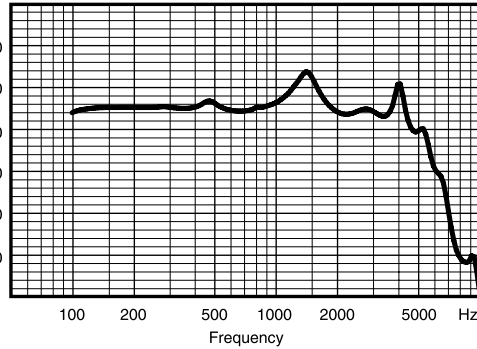
Output dB SPL



Maximum output - 2cc coupler

IEC 60118-7 / ANSI S3.22-2003

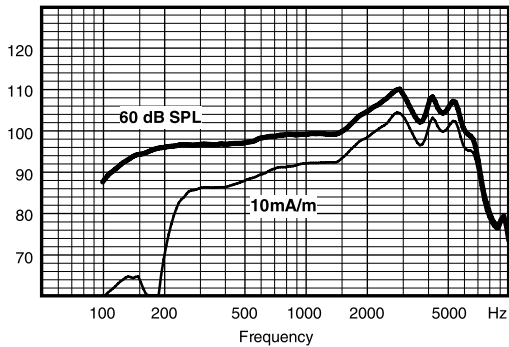
Output dB SPL



Output - Ear simulator

IEC 60118-0

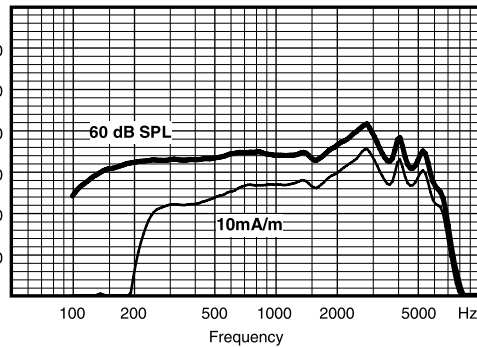
Output dB SPL



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 normal hook and standard BTE coupler.

		IEC 60118-0	ANSI S3.22-2003 / IEC 60118-7
OSPL90	2500 Hz	123 dB SPL	114 dB SPL
	Peak	131 dB SPL	124 dB SPL
	Average	122 dB SPL	117 dB SPL
Acoustic output (Input 60 dB SPL)	2500 Hz	108 dB SPL	100 dB SPL
	Peak	111 dB SPL	102 dB SPL
	Average	101 dB SPL	96 dB SPL
Max gain (Input 50 dB SPL, Compass Max gain test mode)	2500 Hz	65 dB	56 dB
	Peak	65 dB	57 dB
	Average	58 dB	51 dB
Telecoil output (Input 10 mA/m)	2500 Hz	102 dB SPL	93 dB SPL
	Peak	105 dB SPL	96 dB SPL
	Average	93 dB SPL	89 dB SPL
Frequency range		100 Hz - 7500 Hz	100 Hz - 7150 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.9%	0.6%
	800 Hz	0.4%	0.3%
	1600 Hz	0.4%	0.2%
Equivalent input noise		21 dB SPL	25 dB SPL
Battery drain (stand by)		0.85 mA	0.85 mA
Battery drain		0.85 mA	0.85 mA
Battery life / hours (Type 13 Zn-Air, 270 mAh)		325 (>260)	315 (>255)
Mobile phone immunity		IRIL: -33/-8 dB SPL	U-rating: M3/T3

