

Passion440 PA-440

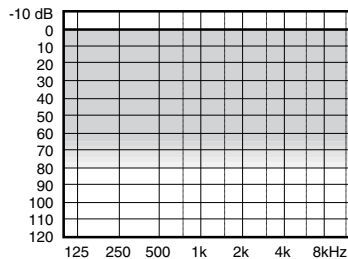
Smallest RIC with Dual ISP



Passion440 is the first hearing aid on the market to introduce Dual Integrated Signalling Processing combined with RIC.

Minimal to severe hearing losses

Suggested fitting range



Passion RIC features

- 10 kHz bandwidth
- Stable Sound Delivery
- Sound Harmony
- Closed, vented and open fittings
- Instant and Custom receiver ear-tips

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™
- Multidirectional 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

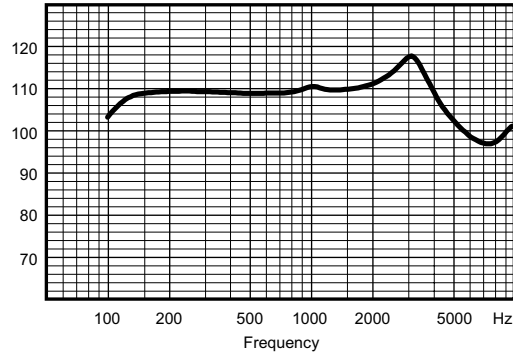
- Optional remote control

Passion440 PA-440

Maximum output - Ear simulator

IEC 60118-0

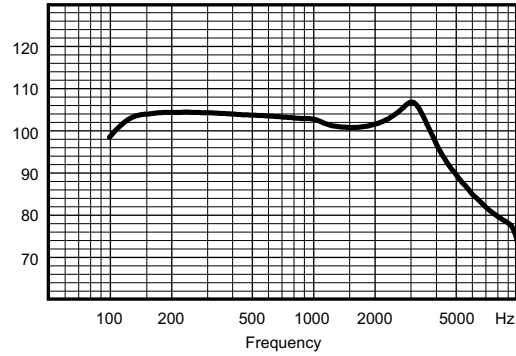
Output dB SPL



Maximum output - 2cc coupler

IEC 60118-7 / ANSI S3.22-2003

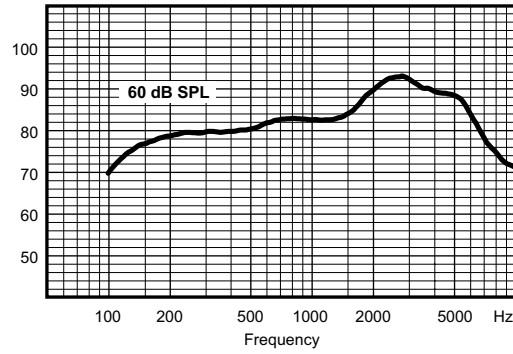
Output dB SPL



Output - Ear simulator

IEC 60118-0

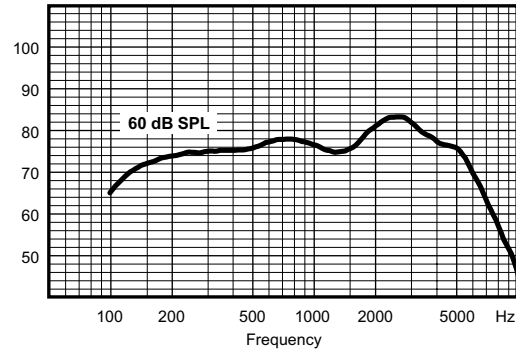
Output dB SPL



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	114 dB SPL	104 dB SPL
	Peak	118 dB SPL	107 dB SPL
	Average	110 dB SPL	103 dB SPL
Acoustic output (Input 60 dB SPL)	2500 Hz	93 dB SPL	83 dB SPL
	Peak	94 dB SPL	84 dB SPL
	Average	85 dB SPL	78 dB SPL
Max gain (Input 50 dB SPL, Compass Max gain test mode)	2500 Hz	61 dB	52 dB
	Peak	64 dB	53 dB
	Average	58 dB	50 dB
Frequency range		100 Hz - 10000 Hz	100 Hz - 7800 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.5%	0.3%
	800 Hz	0.5%	0.3%
	1600 Hz	0.7%	0.5%
Equivalent input noise		20 dB SPL	23 dB SPL
Battery drain (stand by)		0.75 mA	0.75 mA
Battery drain		0.8 mA	0.8 mA
Battery life / hours (Type 10 Zn-Air, 90 mAh)		115 (>90)	115 (>90)
Mobile phone immunity		IRIL: -36/-10 dB SPL	U-rating: M3

