

AIKIA élan AK-9é

Digital open fit BTE with Integrated Signal Processing™ and Dynamic Integrator™



AIKIA is the first hearing aid on the mid range market to introduce Integrated Signal Processing™.

AIKIA AK-9é with unique features including:

Dynamic Integrator™

- Integration and storage of knowledge

Detailed Sound Analysis

- Sound Diary
- Speech and noise tracer
- S/N ratio tracer
- Spatial feedback tracer
- Spatial sound tracer

Flexible Sound Processing

- AIKIA Locator
- Multi-directional active feedback cancelling
- Speech Intensification System
- Enhanced Dynamic Range Compression

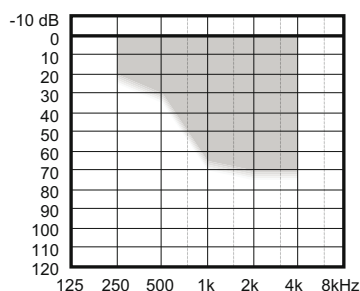
Automatic System Optimiser

- Battery monitor
- EcoTech II
- Multi-point microphone matching
- DAI auto-detect

Special AIKIA élan feature

- Sound Harmony™

Suggested fitting range

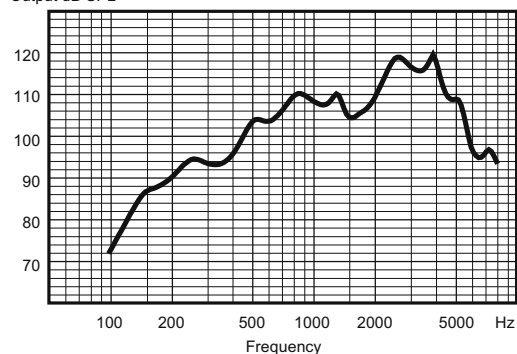


AIKIA élan AK-9é

Maximum output - Ear simulator

IEC 60118-0

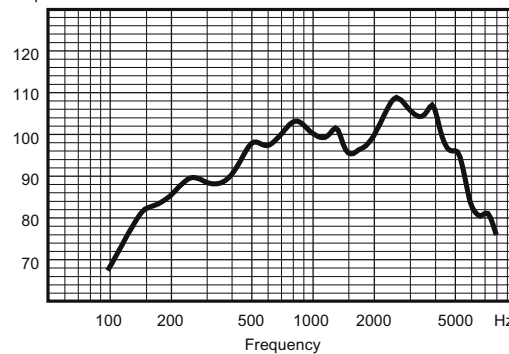
Output dB SPL



Maximum output - 2cc coupler

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

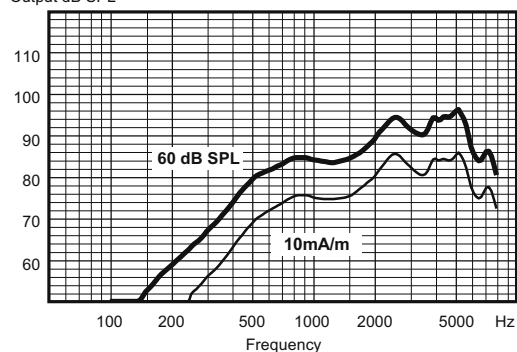
Output dB SPL



Output - Ear simulator

IEC 60118-0

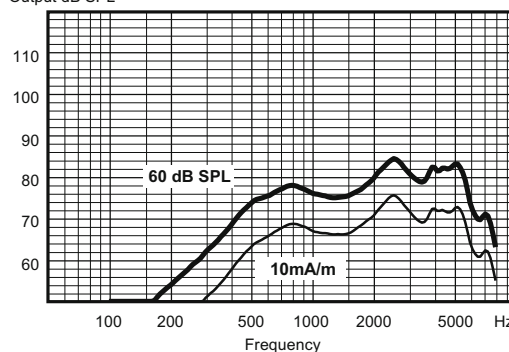
Output dB SPL



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. Data has been measured to reflect the AK-9é output alone. In real life it will be mixed with direct sound coming through the ear canal. Measured through a normal hook and a sealed coupler, the curves will have yet a different shape.

		IEC 60118-0	IEC 60118-7	ANSI S3.22 (2003)
OSPL90	1600 Hz	105 dB SPL	96 dB SPL	96 dB SPL
	Peak	120 dB SPL	109 dB SPL	109 dB SPL
	Average	107 dB SPL	99 dB SPL	102 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	85 dB SPL	76 dB SPL	76 dB SPL
	Peak	97 dB SPL	85 dB SPL	85 dB SPL
	Average	85 dB SPL	77 dB SPL	79 dB SPL
Max gain (Special measurement)	1600 Hz	42 dB	33 dB	33 dB
	Peak	54 dB	42 dB	42 dB
	Average	39 dB	31 dB	37 dB
Telecoil output (Input 10 mA/m)	1600 Hz	76 dB SPL	67 dB SPL	67 dB SPL
	Peak	86 dB SPL	76 dB SPL	76 dB SPL
	Average	75 dB SPL	67 dB SPL	70 dB SPL
Frequency range		340 Hz - 10000 Hz	290 Hz - 8100 Hz	260 Hz - 8400 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.5%	0.3%	0.3%
	800 Hz	0.5%	0.3%	0.3%
	1600 Hz	1.2%	0.8%	0.8%
Equivalent input noise		24 dB SPL	24 dB SPL	24 dB SPL
Battery drain (stand by)		0.7 mA	0.7 mA	0.7 mA
Battery drain		0.75 mA	0.75 mA	0.75 mA
Battery life / hours (Type 13 Zn-Air, 270 mAh)		370 (>290)	370 (>290)	365 (>290)
IRIL, IEC 60118-13 (3 / 2 V/m)		-29/-4 dB SPL		

