

Digital Power 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-19 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

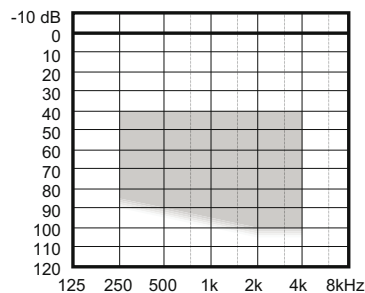
Flexible Sound Processing

- 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

Suggested fitting range

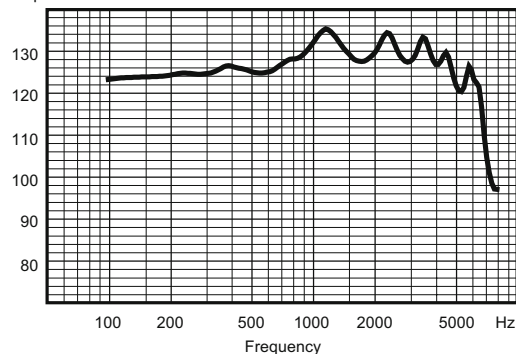


AIKIA AK-19

Maximum output - Ear simulator

IEC 60118-0

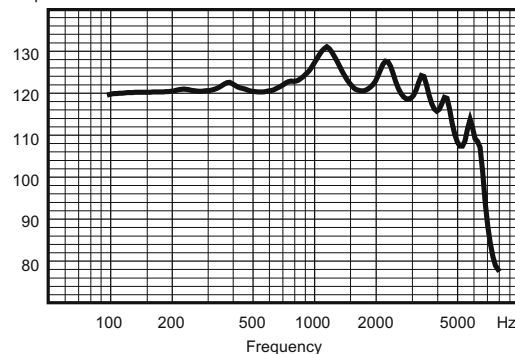
Output dB SPL



Maximum output - 2cc coupler

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

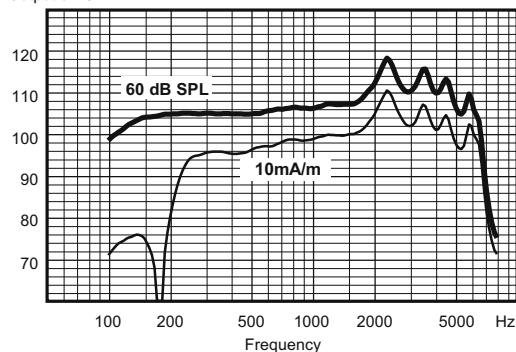
Output dB SPL



Output - Ear simulator

IEC 60118-0

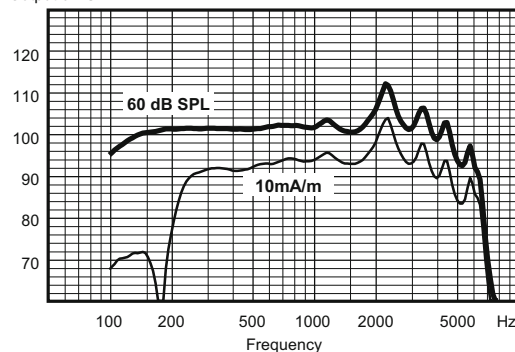
Output dB SPL



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	128 dB SPL	121 dB SPL	121 dB SPL
	Peak	136 dB SPL	131 dB SPL	131 dB SPL
	Average	129 dB SPL	124 dB SPL	124 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	108 dB SPL	101 dB SPL	101 dB SPL
	Peak	119 dB SPL	113 dB SPL	113 dB SPL
	Average	108 dB SPL	103 dB SPL	103 dB SPL
Max. gain (special measurement)	1600 Hz	64 dB	57 dB	57 dB
	Peak	73 dB	67 dB	67 dB
	Average	64 dB	59 dB	58 dB
Telecoil output (Input 10 mA/m)	1600 Hz	100 dB SPL	93 dB SPL	93 dB SPL
	Peak	111 dB SPL	104 dB SPL	104 dB SPL
	Average	100 dB SPL	95 dB SPL	95 dB SPL
Frequency range		100 Hz - 6850 Hz	100 Hz - 6600 Hz	100 Hz - 6700 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.5%	0.5%	0.5%
	800 Hz	0.3%	0.2%	0.2%
	1600 Hz	0.4%	0.3%	0.3%
Equivalent input noise		22 dB SPL	22 dB SPL	22 dB SPL
Battery drain (stand by)		0.75 mA	0.75 mA	0.75 mA
Battery drain		0.75 mA	0.75 mA	0.75 mA
Battery life / hours (Type 13 Zn-Air, 270 mAh)		365 (>285)	365 (>285)	360 (>285)
IRIL, IEC 60118-13 (3 / 2 V/m)			-27/-9 dB SPL	

