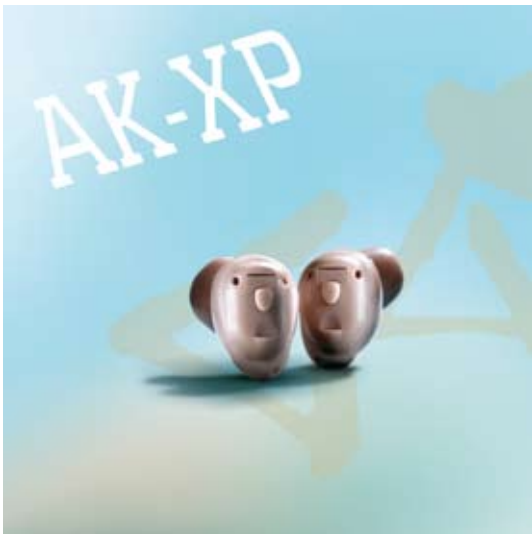


Digital Power ITE with Integrated Signal Processing™ and Dynamic Integrator™



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

AIKIA AK-XP with unique features including:

Dynamic Integrator™

- Integration and storage of knowledge

Detailed Sound Analysis

- 10 bands/10 channels
- Sound Diary
- Speech and noise tracer
- S/N ratio tracer
- Spatial feedback tracer
- Spatial sound tracer

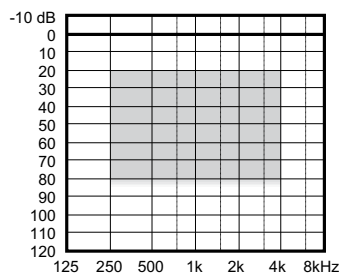
Flexible Sound Processing

- 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

Suggested fitting range

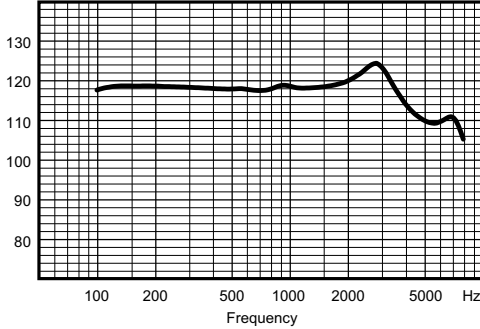


AIKIA AK-XP

Maximum output - Ear simulator

IEC 60118-0

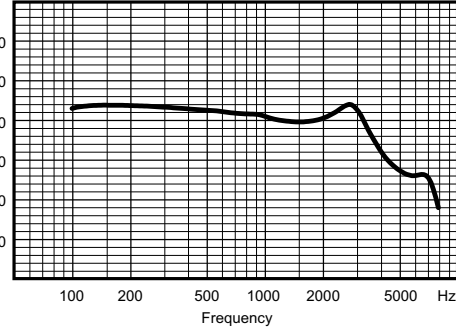
Output dB SPL



Maximum output - 2cc coupler

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

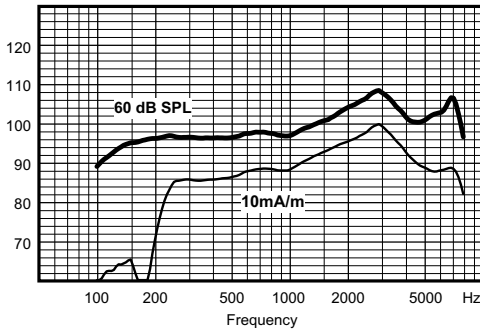
Output dB SPL



Output - Ear simulator

IEC 60118-0

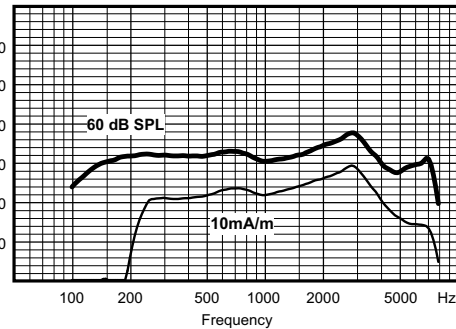
Output dB SPL



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	119 dB SPL	110 dB SPL	110 dB SPL
	Peak	125 dB SPL	114 dB SPL	114 dB SPL
	Average	119 dB SPL	111 dB SPL	111 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	101 dB SPL	92 dB SPL	92 dB SPL
	Peak	109 dB SPL	98 dB SPL	98 dB SPL
	Average	99 dB SPL	92 dB SPL	93 dB SPL
Max. gain (special measurement)	1600 Hz	64 dB	55 dB	55 dB
	Peak	66 dB	58 dB	58 dB
	Average	63 dB	56 dB	55 dB
Telecoil output (Input 10 mA/m)	1600 Hz	94 dB SPL	85 dB SPL	85 dB SPL
	Peak	100 dB SPL	90 dB SPL	90 dB SPL
	Average	90 dB SPL	83 dB SPL	85 dB SPL
Frequency range		100 Hz - 9000 Hz	100 Hz - 8150 Hz	100 Hz - 8400 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.7%	1%	1%
	800 Hz	1.2%	1.1%	1.1%
	1600 Hz	1.2%	1.8%	1.8%
Equivalent input noise		25 dB SPL	25 dB SPL	25 dB SPL
Battery drain (stand by)		0.7 mA	0.7 mA	0.7 mA
Battery drain		0.75 mA	0.75 mA	0.8 mA
Battery life / hours (Type 312 Zn-Air, 145 mAh)		195 (>155)	195 (>155)	180 (>145)
IRIL, IEC 60118-13 (3 / 2 V/m)			-33/ -39 dB SPL	

