

Digital ITE with Integrated Signal Processing™ and Dynamic Integrator™



Flash™ is the first easily affordable hearing aid on the market to introduce Integrated Signal Processing™.

Flash FL-X with unique features including:

Dynamic Integrator™

- Integration and storage of knowledge

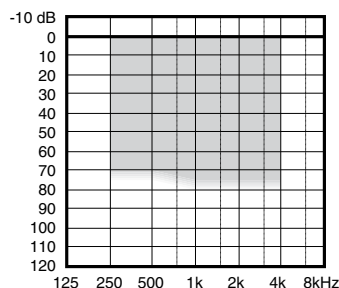
Easy Integrated Signal Processing

- 5 bands/5 channels
- Sound Diary with long-term data logging
- Speech and noise tracer
- S/N ratio tracer
- Feedback tracer
- Spatial sound tracer
- Flash Locator
- Flash feedback cancelling
- Speech Intensification System (active noise reduction)
- Enhanced Dynamic Range Compression
- Battery monitor
- EcoTech II
- Multi-point microphone matching

Easy fitting

- Sensogram

Suggested fitting range

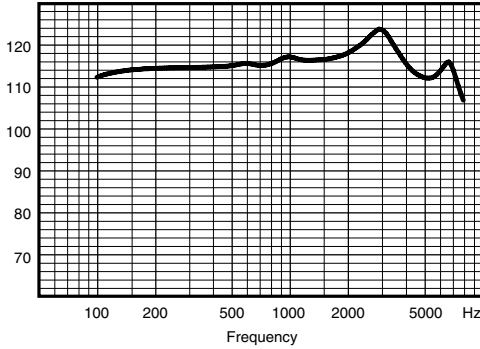


Flash FL-X

Maximum output - Ear simulator

IEC 60118-0

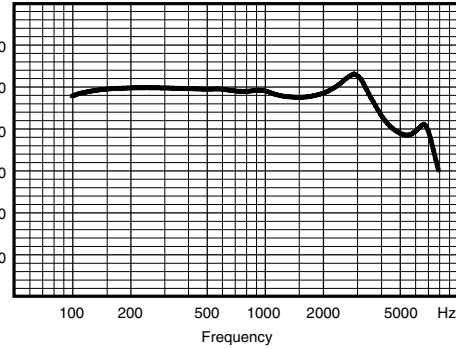
Output dB SPL



Maximum output - 2cc coupler

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

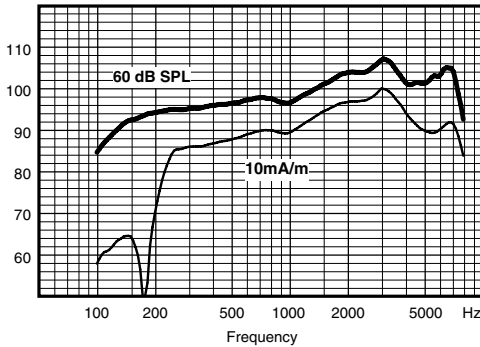
Output dB SPL



Output - Ear simulator

IEC 60118-0

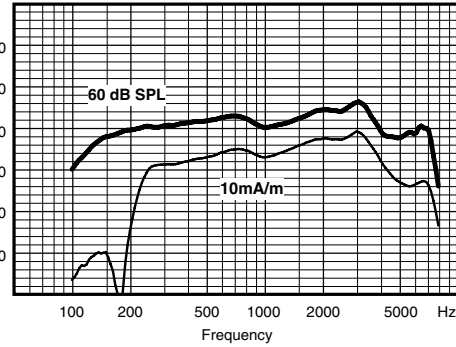
Output dB SPL



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	117 dB SPL	108 dB SPL	108 dB SPL
	Peak	124 dB SPL	113 dB SPL	113 dB SPL
	Average	117 dB SPL	109 dB SPL	109 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	102 dB SPL	93 dB SPL	93 dB SPL
	Peak	108 dB SPL	97 dB SPL	97 dB SPL
	Average	99 dB SPL	92 dB SPL	93 dB SPL
Max. gain (special measurement)	1600 Hz	65 dB	56 dB	56 dB
	Peak	65 dB	58 dB	58 dB
	Average	63 dB	56 dB	54 dB
Telecoil output (Input 10 mA/m)	1600 Hz	95 dB SPL	86 dB SPL	86 dB SPL
	Peak	100 dB SPL	89 dB SPL	89 dB SPL
	Average	92 dB SPL	85 dB SPL	86 dB SPL
Frequency range		100 Hz - 8950 Hz	100 Hz - 7950 Hz	100 Hz - 8200 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	1.5%	1.1%	1.1%
	800 Hz	1.2%	0.8%	0.8%
	1600 Hz	1%	0.7%	0.7%
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)			-35/ -9 dB SPL	

