

Flash élan FL-9é

Digital open fit BTE 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-9é 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
- DAI auto-detect

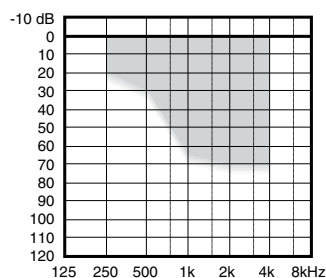
Special Flash élan feature

- Sound Harmony™

Easy fitting

- Sensogram

Suggested fitting range

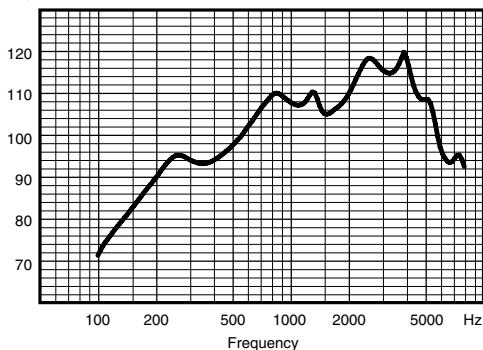


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Maximum output - Ear simulator

IEC 60118-0

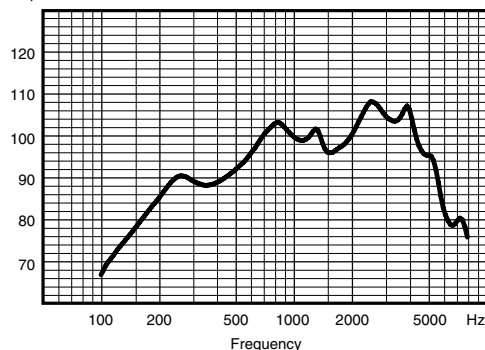
Output dB SPL



Maximum output - 2cc coupler

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

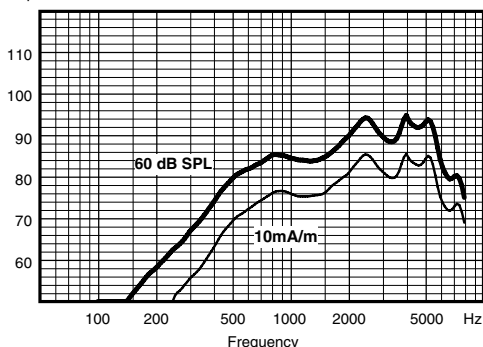
Output dB SPL



Output - Ear simulator

IEC 60118-0

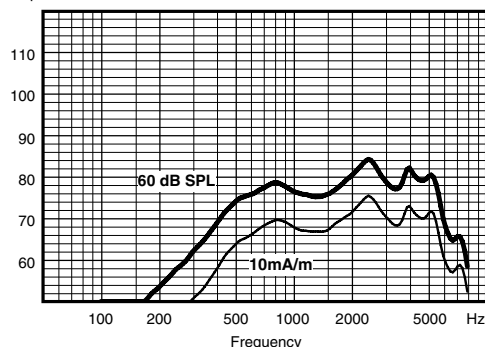
Output dB SPL



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 FL-9é output alone. In real life it will be mixed with direct sound 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	108 dB SPL	108 dB SPL
	Average	105 dB SPL	97 dB SPL	101 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	86 dB SPL	77 dB SPL	77 dB SPL
	Peak	95 dB SPL	84 dB SPL	84 dB SPL
	Average	85 dB SPL	77 dB SPL	79 dB SPL
Max. gain (Special measurement)	1600 Hz	43 dB	34 dB	34 dB
	Peak	53 dB	42 dB	42 dB
	Average	39 dB	31 dB	36 dB
Telecoil output (Input 10 mA/m)	1600 Hz	77 dB SPL	68 dB SPL	68 dB SPL
	Peak	86 dB SPL	76 dB SPL	76 dB SPL
	Average	76 dB SPL	68 dB SPL	71 dB SPL
Frequency range		340 Hz - 8400 Hz	300 Hz - 7750 Hz	270 Hz - 7950 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.5%	0.4%	0.4%
	800 Hz	0.5%	0.3%	0.3%
	1600 Hz	1.1%	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	0.75 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		

