

Flash FL-19

Digital Power 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-19 with unique features including:

Dynamic Integrator™

- Integration and storage of knowledge

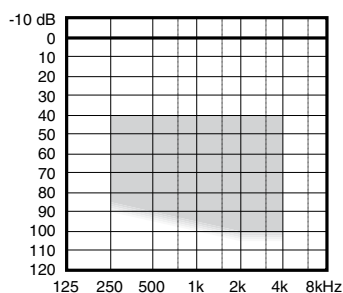
Easy Integrated Signal Processing

- 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

Easy fitting

- Sensogram

Suggested fitting range

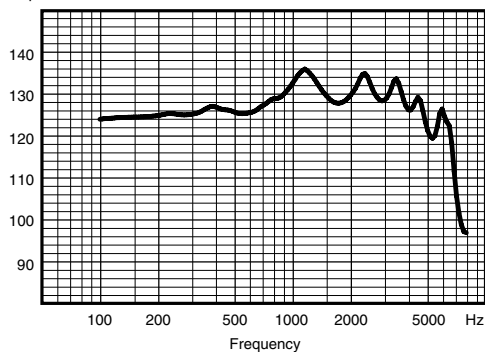


Flash FL-19

Maximum output - Ear simulator

IEC 60118-0

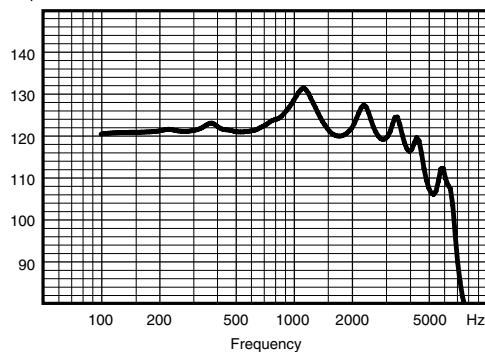
Output dB SPL



Maximum output - 2cc coupler

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

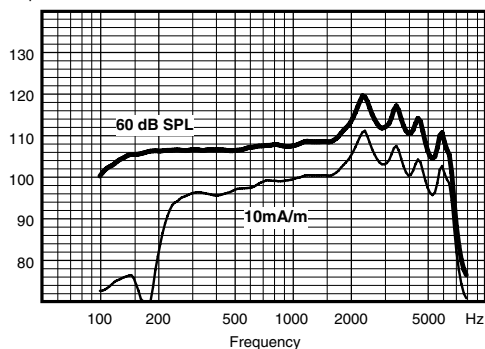
Output dB SPL



Output - Ear simulator

IEC 60118-0

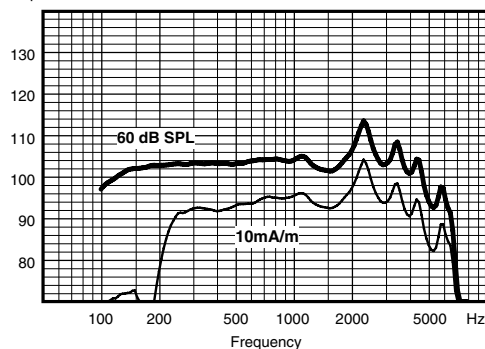
Output dB SPL



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	132 dB SPL	132 dB SPL
	Average	129 dB SPL	124 dB SPL	124 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	109 dB SPL	102 dB SPL	102 dB SPL
	Peak	120 dB SPL	114 dB SPL	114 dB SPL
	Average	109 dB SPL	105 dB SPL	105 dB SPL
Max. gain (special measurement)	1600 Hz	65 dB	58 dB	58 dB
	Peak	74 dB	67 dB	67 dB
	Average	65 dB	61 dB	60 dB
Telecoil output (Input 10 mA/m)	1600 Hz	101 dB SPL	93 dB SPL	93 dB SPL
	Peak	111 dB SPL	104 dB SPL	104 dB SPL
	Average	101 dB SPL	95 dB SPL	96 dB SPL
Frequency range		100 Hz - 6900 Hz	100 Hz - 6650 Hz	100 Hz - 6800 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	1.2%	1.2%	1.2%
	800 Hz	0.5%	0.4%	0.4%
	1600 Hz	0.1%	0.2%	0.2%
Equivalent input noise		23 dB SPL	23 dB SPL	23 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	

