

## Digital Power 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-XP with unique features including:

### Dynamic Integrator™

- Integration and storage of knowledge

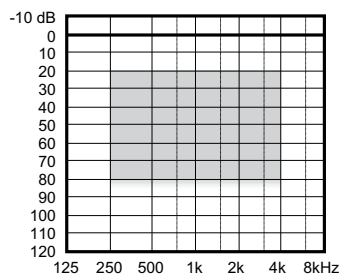
### Easy Integrated Signal Processing

- 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

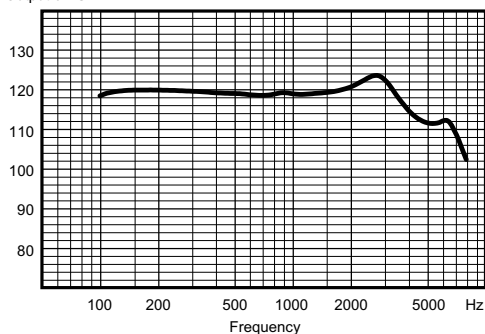


# Flash FL-XP

## Maximum output - Ear simulator

IEC 60118-0

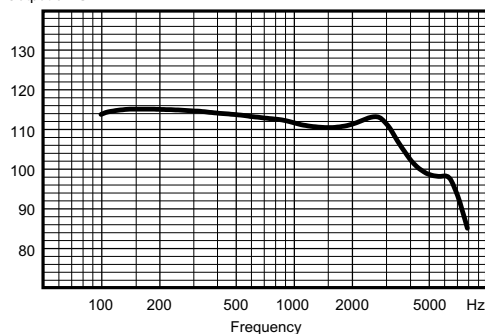
Output dB SPL



## Maximum output - 2cc coupler

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

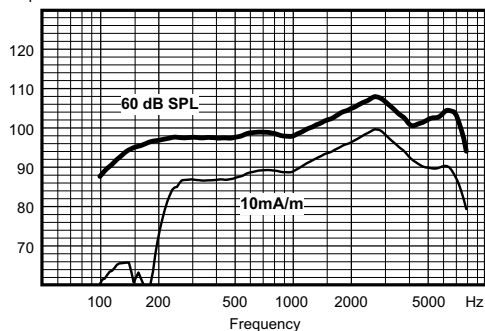
Output dB SPL



## Output - Ear simulator

IEC 60118-0

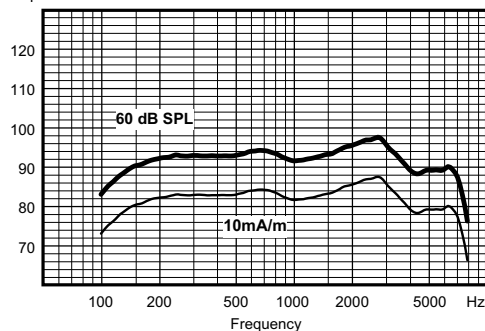
Output dB SPL



## 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	120 dB SPL	111 dB SPL	111 dB SPL
	Peak	124 dB SPL	115 dB SPL	115 dB SPL
	Average	120 dB SPL	112 dB SPL	112 dB SPL
Acoustic output (Input 60 dB SPL)	1600 Hz	103 dB SPL	94 dB SPL	94 dB SPL
	Peak	108 dB SPL	98 dB SPL	98 dB SPL
	Average	100 dB SPL	93 dB SPL	94 dB SPL
Max. gain (special measurement)	1600 Hz	65 dB	56 dB	56 dB
	Peak	65 dB	60 dB	60 dB
	Average	63 dB	57 dB	55 dB
Telecoil output (Input 10 mA/m)	1600 Hz	94 dB SPL	84 dB SPL	84 dB SPL
	Peak	100 dB SPL	88 dB SPL	88 dB SPL
	Average	91 dB SPL	83 dB SPL	84 dB SPL
Frequency range		100 Hz - 8750 Hz	100 Hz - 7850 Hz	100 Hz - 8150 Hz
Harmonic distortion (Input 70 dB SPL)	500 Hz	0.5%	0.2%	0.2%
	800 Hz	0.4%	0.3%	0.3%
	1600 Hz	0.8%	0.5%	0.5%
Equivalent input noise		26 dB SPL	26 dB SPL	26 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		

