

Programmable

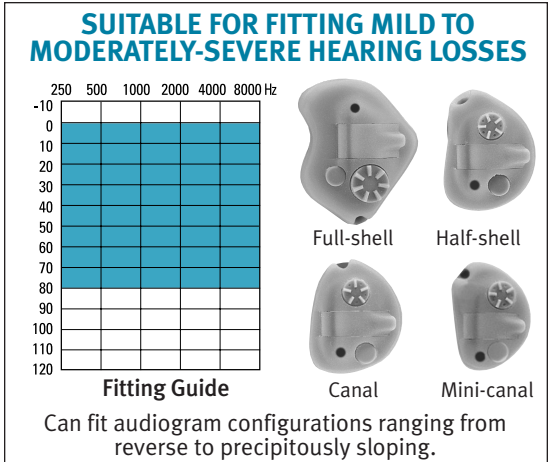


Sound F/X 2Pro Custom

Two-Memory
Mini-Canal, Canal, Half-shell, Full-shell

HEARING AID FEATURES

- Two channels with Wide Dynamic Range Compression circuitry that is independently adjustable for each channel
- Two memories to optimize listening in different environments
- FrontWave™ option provides three adjustable directional frequency response choices from Memory 2:
 1. Directional Equalized
 2. Directional Low-cut
 3. Directional Low-cut, High-boost
(Memory 1: Omnidirectional mode only)
- Five programmable parameters provide extensive fitting flexibility:
 - GL - Low-channel Gain
 - GH - High-channel Gain
 - F - Crossover Frequency
 - TK - Threshold Kneepoint
 - P - Power
- Class D circuitry for excellent battery life
- Twin average compression detectors reduce “pumping”
- Available shell styles to suit your clients’ requirements:
 - Mini-canal, Canal, Half-shell, Full-shell
- Range of venting options
- Optional telecoil with preamplifier
- Contoured, matte finish faceplate provides attractive cosmetics
- Sound F/X can be programmed using NOAH-compatible Unifit, Standalone Unifit or portable Pocket Unifit

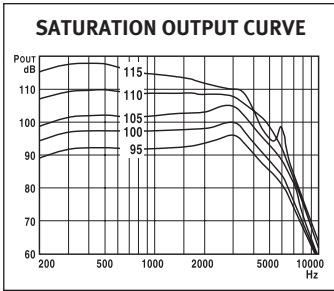


MATRIX SELECTION	
Mini-Canal	95/30-5/F/X 100/35-10/F/X 105/40-15/F/X
Canal/Half-Shell	95/30-5/F/X 100/35-10/F/X 105/40-15/F/X 110/45-20/F/X
Full-Shell	95/35-5/F/X 100/40-10/F/X 105/45-15/F/X 110/50-20/F/X 115/55-20/F/X

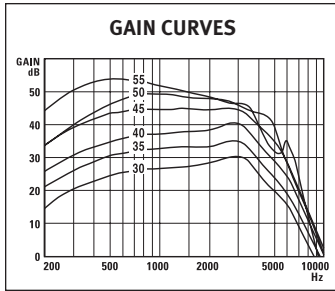
MATRIX SELECTION with directional option	
Half-Shell Battery size 312	95/30-5/F/X 100/35-10/F/X 105/40-15/F/X 110/45-20/F/X
Full-Shell Battery size 13	95/35-5/F/X 100/40-10/F/X 105/45-15/F/X 110/50-20/F/X

ANSI S3.22-1996 TECHNICAL DATA	
Frequency Range	100-8000 Hz
Peak Gain (40 dB in)	30-55 dB
Peak Output	95-115 dB
Reference Test Gain	5-36 dB
HF Average Gain	5-49 dB
HF Average OSPL90	93-113 dB
Typical Battery Life	13 175-380 h (Zinc Air Premium) 312 82-98 h 10A 75-90 h
Current Drain at RTP	0.6-1.3 mA
Telephone Magnetic Field Simulator	
HFA SPLITS	82-98 dB
STS SPLITS	-2 dB
Equivalent Input Noise at RTP (50 dB in)	
Typical 26 dB	< 28 dB
Total Harmonic Distortion at RTP	
500 Hz	typical 1% < 6%
800 Hz	typical 1% < 6%
1600 Hz	typical 1% < 6%
Fast Time Constant	
Attack Time	5 ms
Release Time	20 ms
Slow Time Constant	
Attack Time	200 ms
Release Time	500 ms
Compression Ratio	4:1 to 1:1

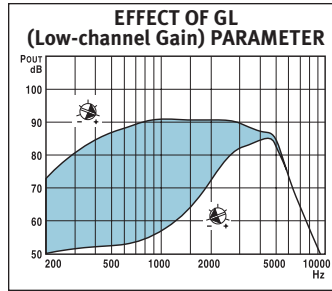
SOUND F/X TWO-MEMORY PROGRAMMABLE CUSTOM ANSI SPECIFICATIONS



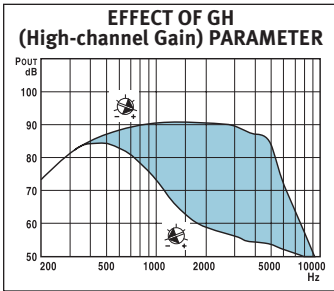
Input sound pressure level: 90 dB
Volume Control: full on
GL GH F TK P
+ + - - +



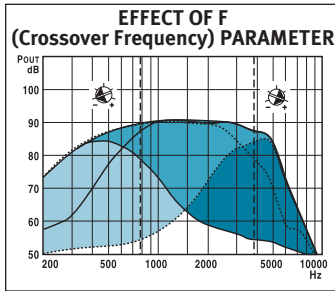
Input sound pressure level: 50 dB
Volume Control: full on
GL GH F TK P
+ + - - +



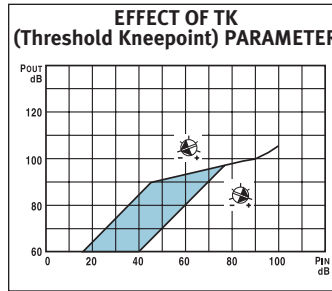
Input sound pressure level: 50 dB
Volume Control: RTP
GH F TK P
+ - - +



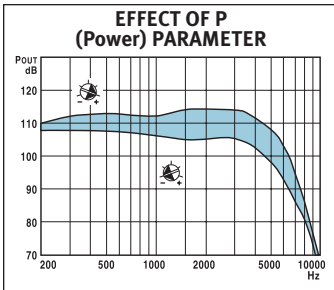
Input sound pressure level: 50 dB
Volume Control: RTP
GL F TK P
+ - - +



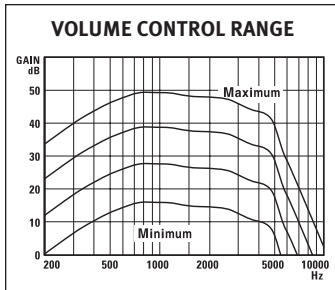
Input sound pressure level: 50 dB
Volume Control: RTP
GL GH TK P
+/- +/- - +



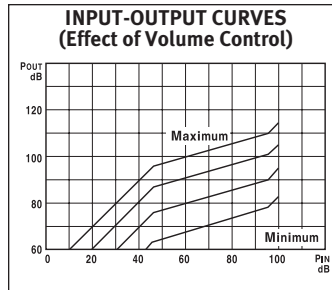
Input at 2000 Hz
Volume Control: RTP
GL GH F P
+ + - +



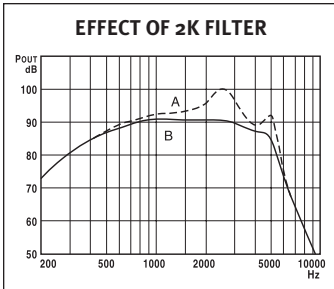
Input sound pressure level: 100 dB
Volume Control: full on
GL GH F TK
+ + - -



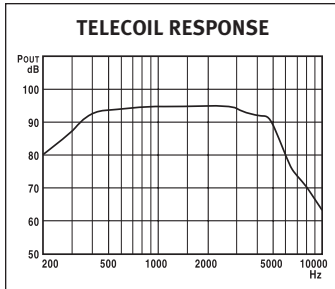
Input sound pressure level: 50 dB
Volume Control: as shown
GL GH F TK P
+ + - - +



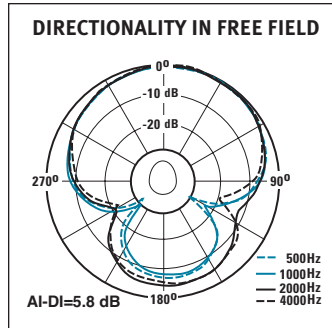
Input at 2000 Hz
Volume Control: as shown
GL GH F TK P
+ + - - +



Input sound pressure level: 50 dB
Volume Control: RTP
"A" unfiltered, not recommended
"B" filtered, standard



Input: 31.6 mA/m
Volume Control: RTP
GL GH F TK P
+ + - - +



AI-DI=5.8 dB

TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control
BATTERY: 13 Zinc Air Premium
SOURCE: Voltage 1.3 V
Impedance 6 Ohms
COUPLER: HA-1
VENT: Closed at canal end
Refer to: "Summary of Test Conditions and Limits" for more details.

AID MARKING: SFX2PRO

COMPLIANCE

Our products are designed to meet all of the limits required when tested in accordance with the applicable standard.

REFERENCES

ASA: Acoustical Society of America, ANSI S3.22-1996
FDA: Food and Drug Administration, Part 801

We reserve the right to change specification data without notice as improvements are introduced.

This product is manufactured under the protection of U.S. Patent #4349082 & #5204917.

Caution: Hearing aids and batteries can be harmful if swallowed or improperly used.



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