



Sound F/X Custom

Multi-Channel Wide Dynamic Range Compression

HEARING AID FEATURES

- Two channels with Wide Dynamic Range Compression circuitry that is independently adjustable for each channel
- Five parameters provide full fitting flexibility:
 - GL - Low-channel Gain
 - GH- High-channel Gain
 - F - Crossover Frequency
 - TK - Threshold Kneepoint
 - P - Power
- Twin average compression detectors reduce “pumping”
- Available shell styles to suit your clients’ requirements:
 - Mini-canal - Canal
 - Half-shell - Full-shell
- Class D circuitry for excellent battery life
- High quality microphone has higher sensitivity and reduced noise
- Range of venting options available
- Optional telecoil with preamplifier
- Contoured, matte finish faceplate provides attractive cosmetics
- Fitting is supported by NOAH-compatible Unifit or Standalone Unifit

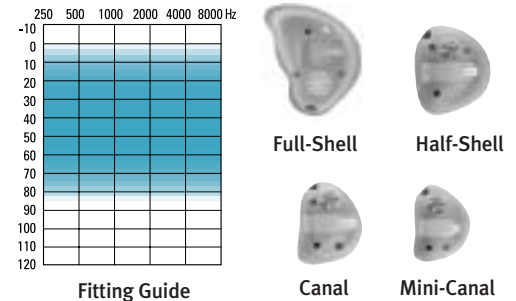
MATRIX SELECTION

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
	115/55-25/F/X

MAXIMUM FITTER ADJUSTABLE PARAMETERS

Mini-Canal	1	Parameter
Canal	2	Parameters
Half-Shell	2	Parameters
Full-Shell	3	Parameters
Telecoil Switch		

SUITABLE FOR FITTING MILD TO MODERATELY SEVERE HEARING LOSSES

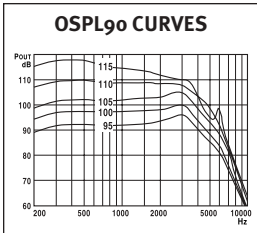


Can fit audiogram configurations ranging from reverse to precipitously sloping.

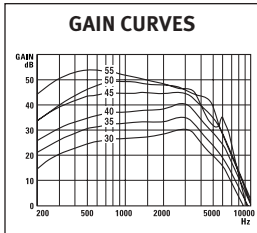
ANSI S3.22-1996 TECHNICAL DATA

Frequency Range	100-8000 Hz	
Peak Gain	30-55 dB	
Peak Output	95-115 dB	
Reference Test Gain	5-36 dB	
HF Average Gain (50 dB in)	5-49 dB	
HF Average OSPL90	93-113 dB	
Typical Battery Life (Zinc Air Premium)	13	225-485 h
	312	115-250 h
	10A	90-150 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	< 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	1:1 to 4:1

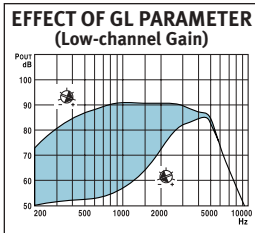
SOUND F/X CUSTOM ANSI SPECIFICATIONS



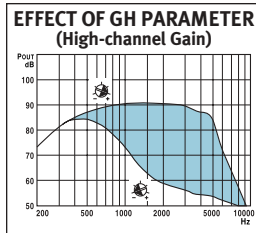
Input sound pressure level: 90 dB
Volume Control: full on
GL GH F TK P
+ + - - +



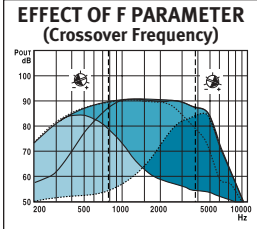
Input sound pressure level: 50 dB
Volume Control: full on
GL GH F TK P
+ + - - +



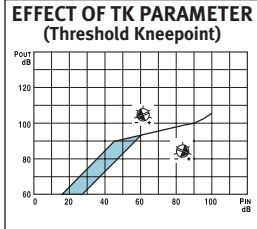
Input sound pressure level: 50 dB
Volume Control: RTP
GH F TK P
+ + - +



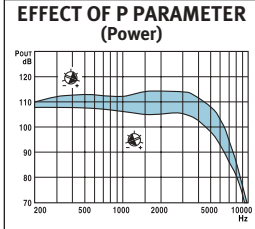
Input sound pressure level: 50 dB
Volume Control: RTP
GL F TK P
+ - - +



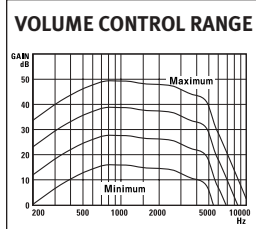
Input sound pressure level: 50 dB
Volume Control: RTP
GL GH TK P
+/- +/- - +



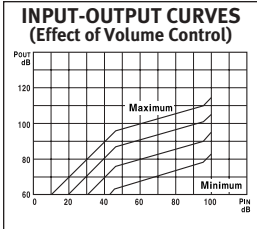
Input at 2000 Hz
Volume Control: RTP
GL GH F P
+ + - +



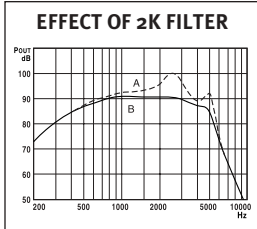
Input sound pressure level: 100 dB
Volume Control: full on
GL GH F TK
+ + - -



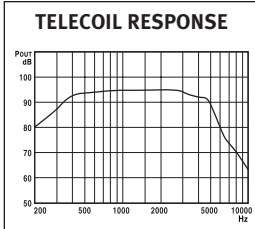
Input sound pressure level: 50 dB
Volume Control: as shown
GL GH F TK P
+ + - - +



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

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: S F/X

COMPLIANCE

Responses will vary according to ear size and shape, hearing loss requirements and shell acoustics.

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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