



Sound F/X CIC

Multi-channel Wide Dynamic Range Compression

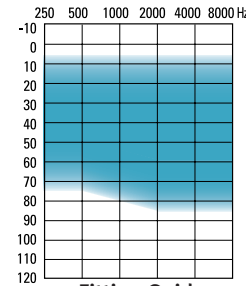
HEARING AID FEATURES

- Two channels with Wide Dynamic Range Compression circuitry that is independently adjustable for each channel
- Six parameters provide full fitting flexibility:
 - GL - Low-channel Gain
 - GH - High-channel Gain
 - S - See-saw, High/Low-channel Gain
 - F - Crossover Frequency
 - TK - Threshold Kneepoint
 - P - Power
- Class D circuitry for excellent battery life
- Twin average compression detectors reduce “pumping”
- High quality microphone has higher sensitivity and reduced noise
- Standard medium brown faceplate blends with shadows inside the ear canal
- Standard screw set volume control
- 5A or 10A battery size and swing-out battery door
- Fitting is supported by NOAH-compatible Unifit or Standalone Unifit

MATRIX SELECTIONS

98/30-10/F/X
102/35-15/F/X
109/40-20/F/X

SUITABLE FOR FITTING MILD TO MODERATELY SEVERE HEARING LOSSES



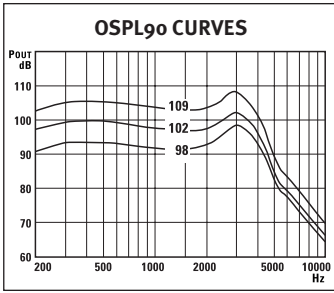
Fitting Guide

Can fit audiogram configurations ranging from reverse to precipitously sloping.

ANSI S3.22-1996 TECHNICAL DATA

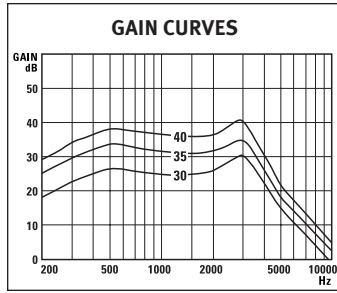
Frequency Range	100-8000 Hz	
Peak Gain	30-40 dB	
Peak Output	98-109 dB	
Reference Test Gain	5-28 dB	
HF Average Gain	10-35 dB	
HF Average OSPL ₉₀	93-104 dB	
Typical Battery Life	10A	45-60 h
(Zinc Air Premium)	5A	70-90 h
Current Drain at RT _P	0.6-1.3 mA	
Equivalent Input Noise at RT _P (50 dB in)	< 29 dB	
Total Harmonic Distortion at RT _P		
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 CIC ANSI SPECIFICATIONS



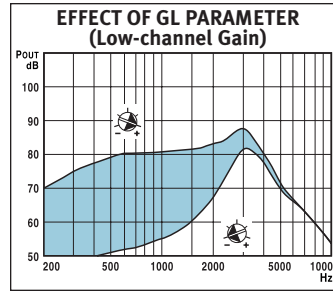
Input sound pressure level: 90 dB
Volume Control: full on

GL	GH	F	TK	P
+	+	-	-	+



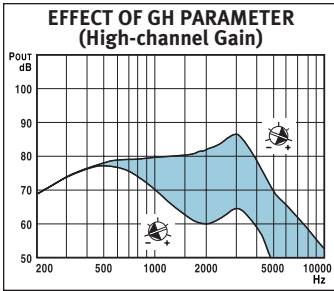
Input sound pressure level: 50 dB
Volume Control: full on

GL	GH	F	TK	P
+	+	-	-	+



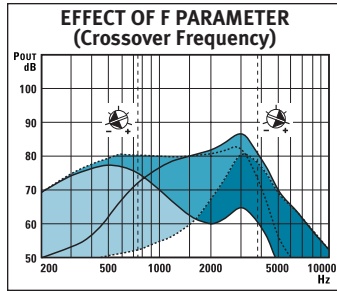
Input sound pressure level: 50 dB
Volume Control: RT/P

GL	GH	F	TK	P
+/-	+	+	-	+



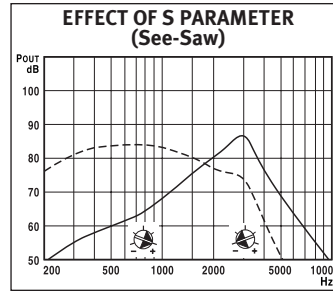
Input sound pressure level: 50 dB
Volume Control: RT/P

GL	GH	F	TK	P
+	+/-	-	-	+



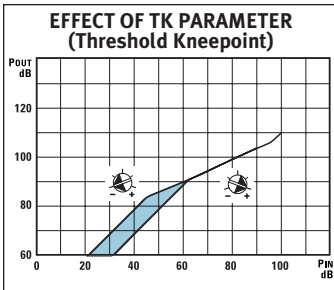
Input sound pressure level: 50 dB
Volume Control: RT/P

GL	GH	F	TK	P
+/-	+/-	+/-	-	+



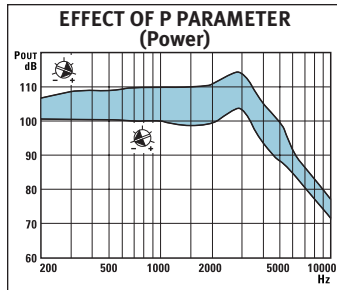
Input sound pressure level: 50 dB
Volume Control: RT/P

F	TK	P	S
Mid	-	+	+/-



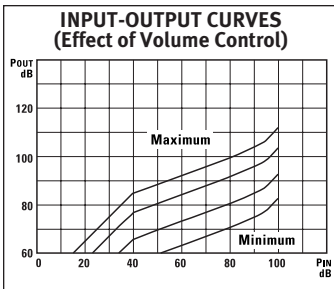
Input at 2000 Hz
Volume Control: RT/P

GL	GH	F	TK	P
+	+	-	+/-	+



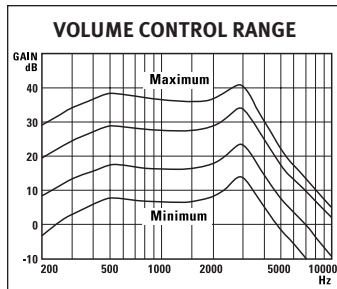
Input sound pressure level: 100 dB
Volume Control: full on

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: as shown

GL	GH	F	TK	P
+	+	-	-	+

TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control
BATTERY: 10A 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: SFX

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.

Precaution: Proper fitting of these hearing aids requires the taking of a deep-canal impression. Hearing healthcare professionals should not attempt this type of fitting unless they have developed the necessary skills to take this type of impression safely.



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