

Programmable



Sound F/X Pro CIC

Multi-Channel Wide Dynamic Range Compression

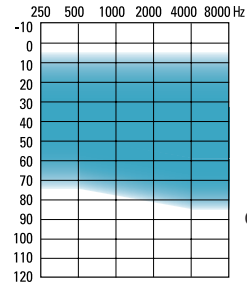
HEARING AID FEATURES

- Two channels with Wide Dynamic Range Compression circuitry that is independently adjustable for each channel
- Standard programmable volume control (Screw Set Volume Control is optional)
- Five parameters provide full 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”
- High quality microphone has increased sensitivity and reduced noise
- Standard medium-brown faceplate blends with shadows inside the ear canal
- Size 10A battery and swing-out battery door
- Sound F/X can be programmed using NOAH-compatible Unifit, Standalone Unifit or portable Pocket Unifit software

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



Can fit audiogram configurations ranging from reverse to precipitously sloping.

Fitting Guide

IEC 118-7 TECHNICAL DATA

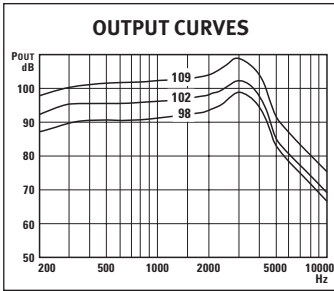
Frequency Range	100-8000 Hz
Peak Gain	30-40 dB
Peak Output	98-109 dB
Reference Test Gain	2-23 dB
Full on Average Gain*	25-34 dB
Average Output*	93-103 dB
Reference Test Frequency	1.6 kHz
Full on Gain at 1.6 kHz	5-35 dB
Output at 1.6 kHz	92-103 dB
Typical Battery Life (Zinc Air Premium)	10A 110-150 h
Current Drain at RTG	0.6-0.8 mA
Equivalent Input Noise at RTG	< 29 dB
Fast Time Constant	
Attack Time	5 ms
Release Time	20 ms
Slow Time Constant	
Attack Time	200 ms
Release Time	500 ms
Compression Ratio	2.5:1 to 1:1

*Average of 500, 1000 and 2000 Hz

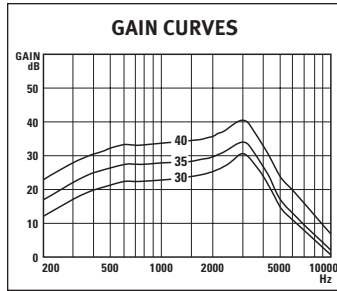
IEC 118-0 EAR SIMULATOR

Frequency Range	100-8000 Hz
Peak Gain	41-52 dB
Peak Output	109-120 dB
Reference Test Gain	10-31 dB
Full on Gain at 1.6 kHz	37-48 dB
Output at 1.6 kHz	101-112 dB

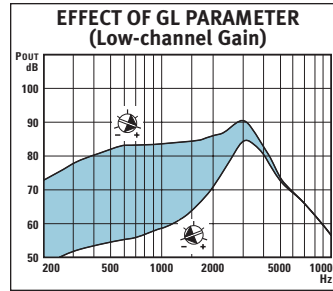
SOUND F/X PROGRAMMABLE CIC IEC 118-7 2cc COUPLER SPECIFICATIONS



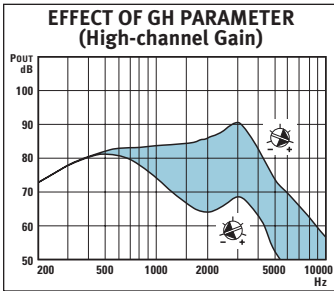
Input sound pressure level: 90 dB
Volume Control: full on
GL GH F TK P
+ + - - +



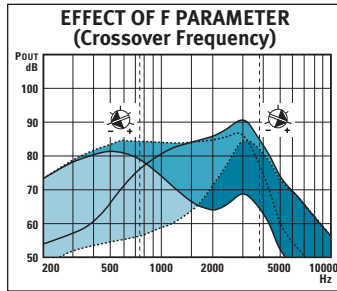
Input sound pressure level: 50 dB
Volume Control: full on
GL GH F TK P
+ + - - +



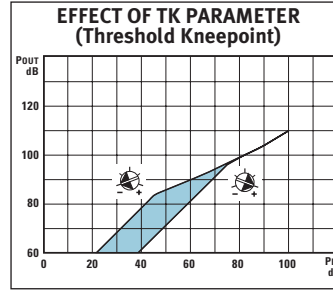
Input sound pressure level: 50 dB
Volume Control: full on
GL GH F TK P
+/- + + - +



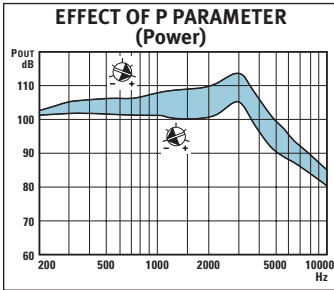
Input sound pressure level: 50 dB
Volume Control: full on
GL GH F TK P
+ +/- - - +



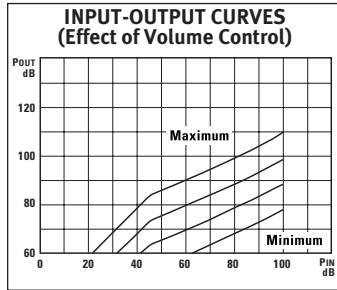
Input sound pressure level: 50 dB
Volume Control: full on
GL GH F TK P
+/- +/- +/- - +



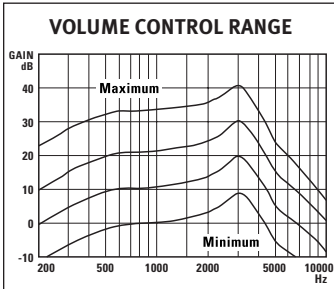
Input at 1600 Hz
Volume Control: full on
GL GH F TK P
+ + - +/- +



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

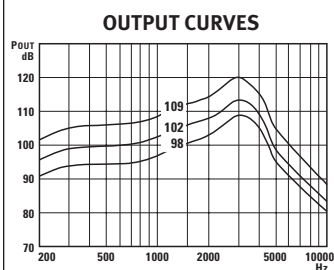


Input level: 1600 Hz
Volume Control: as shown
GL GH F TK P
+ + - - +

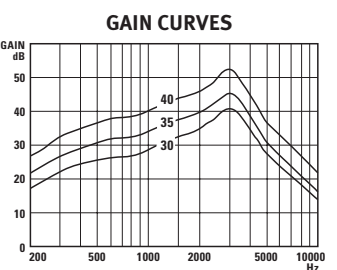


Input sound pressure level: 50 dB
Volume Control: as shown
GL GH F TK P
+ + - - +

IEC 118-0 EAR SIMULATOR



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
+ + - - +

TEST CONDITIONS

RTG-IEC: Reference Test Gain 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: S F/X

COMPLIANCE

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

REFERENCES

IEC: International Electrotechnical Commission Publication 118-0, 118-7 (1983)

European Standard EN60118/A1 February, 1994

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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