



Sound F/X +4 Mini-BTE

Multi-Channel Wide Dynamic Range Compression

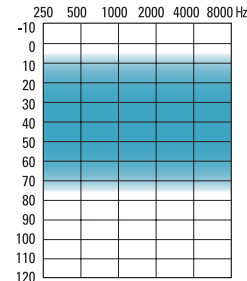
HEARING AID FEATURES

- Two channels with Wide Dynamic Range Compression circuitry that is independently adjustable for each channel
- Four parameters provide extensive fitting flexibility:
 - GL – Low-channel Gain, Dark Green
 - GH – High-channel Gain, Light Green
 - F – Crossover Frequency, Purple
 - TK – Threshold Kneepoint, Black
- Class D circuitry for excellent battery life
- Slim mini-housing
- Maximum Power Output tied to Volume Control
- Volume Control: numbered 1 (low) to 4 (high)
- M-T-O Switch: 3 positions Microphone–Telecoil–Off
- Direct Audio Input - MLx compatible
- Two-tone, beige/taupe housing
- Filtered earhook
- Battery size: 13
- Fitting is supported by NOAH-compatible Unifit or Standalone Unifit

OPTIONS

- M-MT-O Switch: 3 positions Microphone–Microphone/Telecoil–Off
- O-T-MT-M Switch: 4 positions Off–Telecoil–Microphone/Telecoil–Microphone
- Tamper-resistant battery compartment/Volume Control cover
- CROS/BiCROS
- Child-sized earhook
- Sideplate colours: opaque taupe, brown and grey; transparent red, green and blue; fluorescent pink and yellow

SUITABLE FOR FITTING MILD TO MODERATELY SEVERE HEARING LOSSES



Fitting Guide

IEC 118-0 TECHNICAL DATA

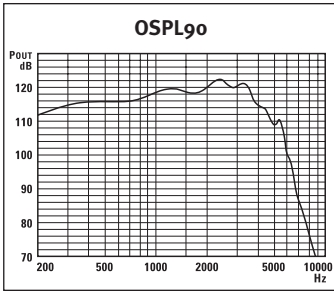
Frequency Range	100-8000 Hz
Peak Gain (40 dB in)	66 dB
Peak Output	124 dB
Reference Test Gain	43 dB
Full on Average Gain*	56 dB
Average Output*	118 dB
Reference Test Frequency	1.6 kHz
Full on Gain at 1.6 kHz (50 dB in)	58 dB
Output at 1.6 kHz	118 dB
Typical Battery Life (Zinc Air Premium)	260 h
Current Drain at RTG	< 0.9 mA
Output with inductive Input at 1.6 kHz	89 dB
Equivalent Input Noise at RTG (40 dB in) typical 24 dB	28 dB
Fast Time Constant	
Attack time	5 ms
Release time	20 ms
Slow Time Constant	
Attack time	200 ms
Release time	450 ms
Compression Ratio	1:1 to 4:1

*Average of 500, 1000 and 2000 Hz

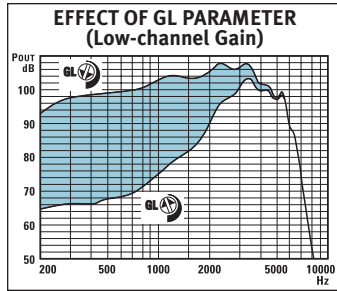
IEC 118-7 2cc COUPLER

Frequency Range	100-8000 Hz
Peak Gain (40 dB in)	56 dB
Peak Output	116 dB
Reference Test Gain	35 dB
Full on Gain at 1.6 kHz	49 dB
Output at 1.6 kHz	110 dB

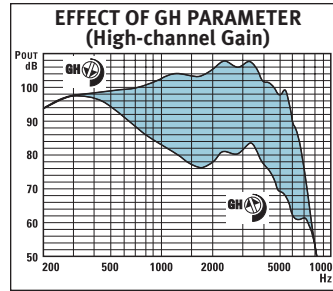
SOUND F/X +4 MINI-BTE IEC 118-o EAR SIMULATOR SPECIFICATIONS



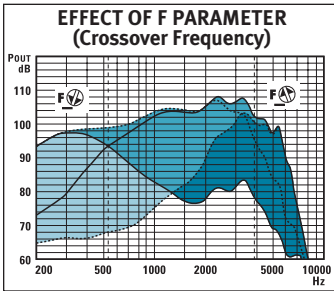
Input sound pressure level: 90 dB
Volume Control: full on
GL GH F TK
+ + - -



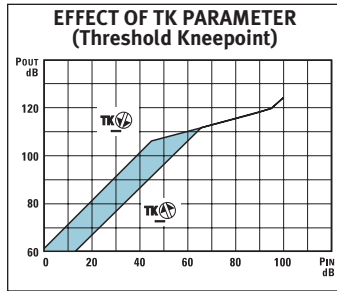
Input sound pressure level: 60 dB
Volume Control: RTG
GH F TK
+ + -



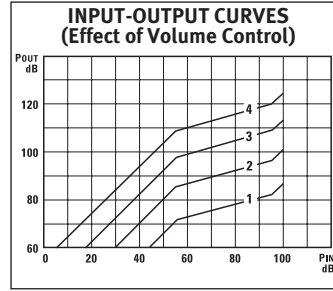
Input sound pressure level: 60 dB
Volume Control: RTG
GL F TK
+ - -



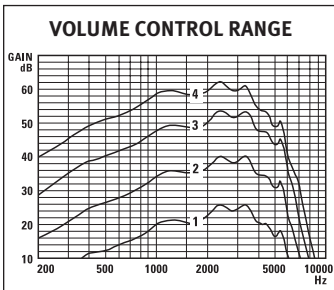
Input sound pressure level: 60 dB
Volume Control: RTG
GL GH TK
+/- +/- -



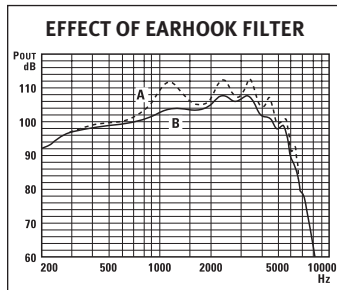
Input at 1600 Hz
Volume Control: full on
GL GH F
+ + -



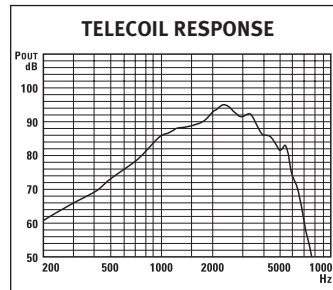
Input at 1600 Hz
Volume Control: as shown
GL GH F TK
+ + - -



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

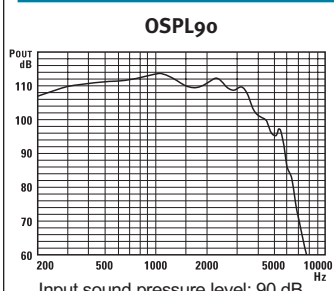


Input sound pressure level: 60 dB
Volume Control: RTG
"A" unfiltered, not recommended,
"B" filtered, standard

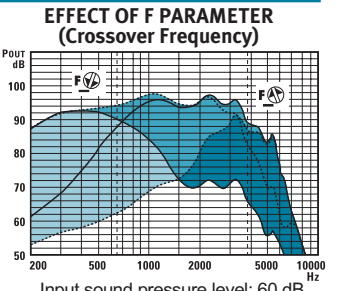


Input: 1 mA/m
Volume Control: full on
GL GH F TK
+ + - -

IEC 118 -7 2cc COUPLER



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



Input sound pressure level: 60 dB
Volume Control: RTG
GL GH TK
+/- +/- -

TEST CONDITIONS

RTG-IEC: Reference Test Gain of the Volume Control: 3.5
BATTERY: 13 Zinc Air Premium
SOURCE: Voltage 1.3 V Impedance 6 Ohms
EARHOOK: Filtered
TUBING: Length 25 mm, Inside Diameter 1.93 mm
Refer to: "Summary of Test Conditions and Limits" for more details.

AID MARKING: S F/X 4

COMPLIANCE

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

REFERENCES

IEC: International Electrotechnical Commission Publication 118-o, 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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