

Programmable

Sound F/X Pro Mini-BTE

Multi-Channel Wide Dynamic Range Compression



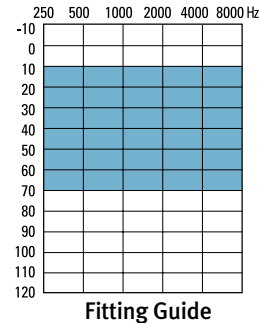
HEARING AID FEATURES

- Two channels with Wide Dynamic Range Compression circuitry that is independently adjustable for each channel
- 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
- Slim mini-housing
- Maximum Power Output tied to Volume Control
- Volume Control: numbered 1 (Low) to 4 (High)
- O-T-M Switch: 3 positions, Off–Telecoil–Microphone
- Direct Audio Input – MLx compatible
- Two-tone, beige/taupe housing
- Filtered earhook
- Battery size: 13
- Sound F/X can be programmed using NOAH-compatible Unifit, Standalone Unifit or portable Pocket Unifit

OPTIONS

- O-MT-M Switch: 3 positions, Off–Microphone/Telecoil–Microphone
- 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

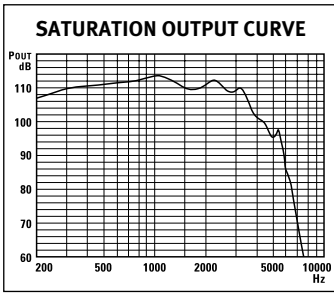
SUITABLE FOR FITTING MILD TO MODERATELY-SEVERE HEARING LOSSES



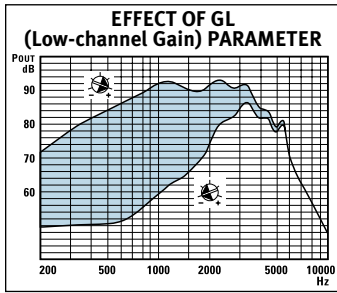
ANSI S3.22-1996 TECHNICAL DATA

| | | |
|--|-------------|------|
| Frequency Range | 100-8000 Hz | |
| Peak Gain (40 dB in) | 56 dB | |
| Peak Output | 116 dB | |
| Reference Test Gain | 34 dB | |
| HF Average Gain | 50 dB | |
| HF Average OSPL90 | 111 dB | |
| Typical Battery Life (Zinc Air Premium) | 270 h | |
| Current Drain at RTP | 0.85 mA | |
| Telephone Magnetic Field Simulator | | |
| HFA SPLITS | 92 dB | |
| STS SPLITS | -2.0 dB | |
| Equivalent Input Noise at RTP (50 dB in) | | |
| Typical 26 dB | < 29 dB | |
| Total Harmonic Distortion at RTP | | |
| 500 Hz | typical 1% | < 5% |
| 800 Hz | typical 1% | < 5% |
| 1600 Hz | typical 1% | < 5% |
| Fast Time Constant | | |
| Attack Time | 5 ms | |
| Release Time | 20 ms | |
| Slow Time Constant | | |
| Attack Time | 200 ms | |
| Release Time | 400 ms | |
| Compression Ratio | 4:1 to 1:1 | |

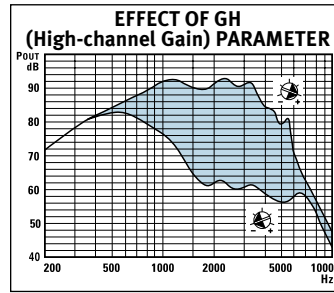
SOUND F/X PROGRAMMABLE MINI-BTE ANSI SPECIFICATIONS



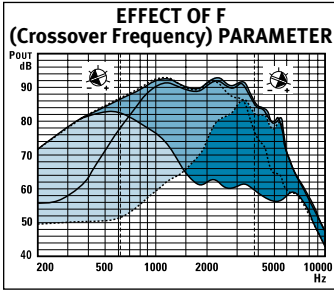
Input sound pressure level: 90 dB
Volume Control: full on
GL GH F TK P
+ + - - +



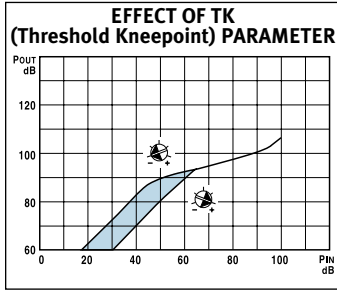
Input sound pressure level: 50 dB
Volume Control: RTP
GH F TK P
+ + - +



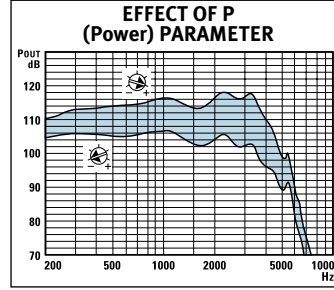
Input sound pressure level: 50 dB
Volume Control: RTP
GL F TK P
+ - - +



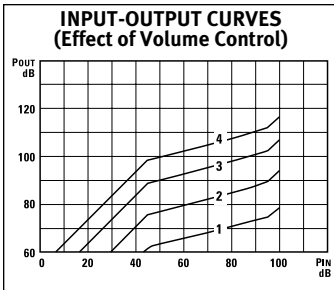
Input sound pressure level: 50 dB
Volume Control: RTP
GL GH TK P
+/- +/- - +



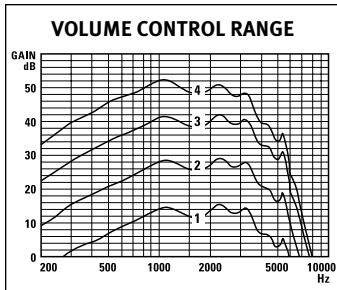
Input at 2000 Hz
Volume Control: RTP
GL GH F P
+ + - +



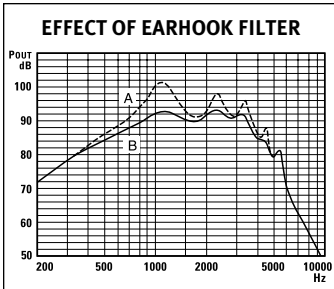
Input sound pressure level: 100 dB
Volume Control: full on
GL GH F TK
+ + - -



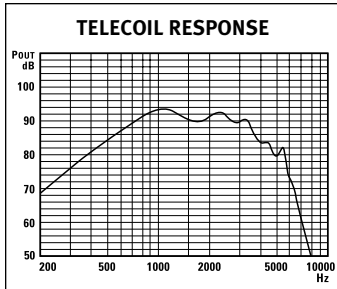
Input at 2000 Hz
Volume Control: as shown
GL GH F TK P
+ + - - +



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



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
+ + - - +

TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control: 3
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 Pro

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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