



Sound F/X P Mini-BTE

Power

Multi-channel with Wide Dynamic Range Compression

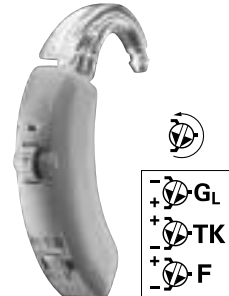
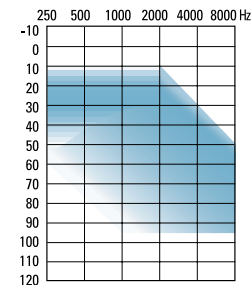
HEARING AID FEATURES

- Two channels:
 - Low - linear
 - High - Wide Dynamic Range Compression
- Twin average compression detectors reduce “pumping”
- Three controls provide extensive fitting flexibility
 - GL - Low-channel Gain
 - F - Crossover Frequency
 - TK - Threshold Kneepoint
- Controls continuously adjustable with end stops
- 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
- 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
- Tamper-resistant battery compartment/Volume Control cover
- CROS/BiCROS
- Child-sized earhook
- Sideplate colors: opaque taupe, brown and gray; translucent red, green and blue; fluorescent pink and yellow

SUITABLE FOR FITTING MODERATE TO SEVERE HEARING LOSSES



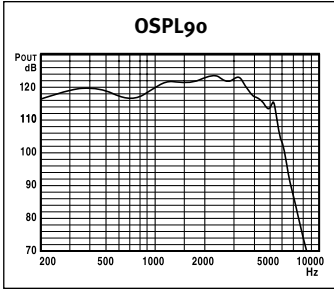
Fitting Guide

Can fit audiogram configurations ranging from flat to precipitously sloping

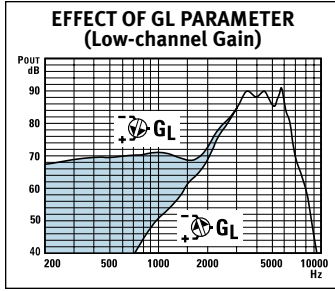
ANSI S3.22-1996 TECHNICAL DATA

Frequency Range	100-8000 Hz	
Peak Gain (40 dB in)	67 dB	
Peak Output	124 dB	
Reference Test Gain	44 dB	
HF Average Gain	55 dB	
HF Average OSPL90	121 dB	
Typical Battery Life (Zinc Air Premium)	165 h	
Current Drain at RTP	1.4 mA	
Telephone Magnetic Field Simulator		
HFA SPLITS	103 dB	
STS SPLITS	-1.0 dB	
Equivalent Input Noise at RTP (50 dB in) typical 24 dB	30 dB	
Total Harmonic Distortion at RTP		
500 Hz	typical 2%	< 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	400 ms	
Compression Ratio (High Channel)	2.5:1	

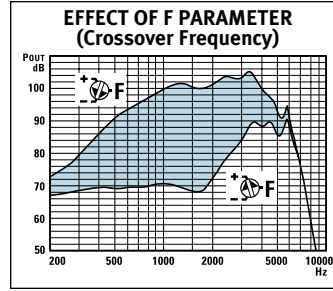
SOUND F/X P MINI-BTE ANSI SPECIFICATIONS



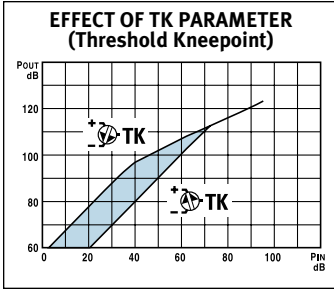
Input sound pressure level: 90 dB
Volume Control: full on
GL F TK
+ - -



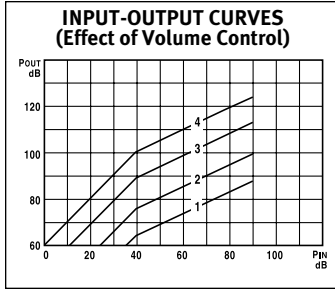
Input sound pressure level: 50 dB
Volume Control: RTP
F TK
+ -



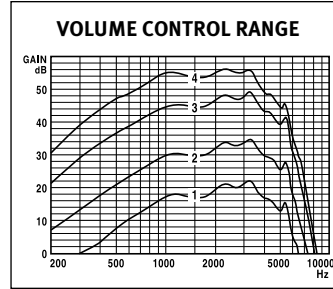
Input sound pressure level: 50 dB
Volume Control: RTP
GL TK
+ -



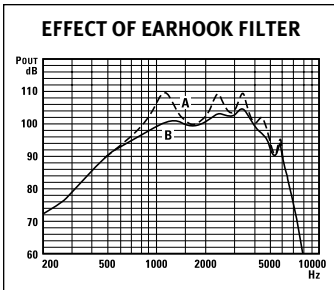
Input at 2000 Hz
Volume Control: RTP
GL F
+ -



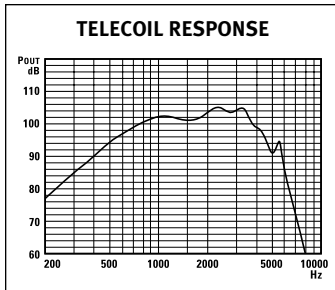
Input at 2000 Hz
Volume Control: as shown
GL F TK
+ - -



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



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 F TK
+ - -

TEST CONDITIONS

RTP-ANSI: Reference Test Position 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 P

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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