



Conversa™ with ClearCall Mini-BTE

Realtime Feedback Canceller, Intelligent Noise Reduction,
Vector Directionality, ClearPath™ Processing Strategy

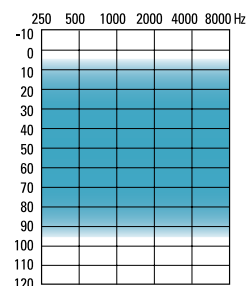
HEARING AID FEATURES

- 16 channels provide high resolution signal processing
- Realtime feedback canceller reacts within milliseconds using independent narrow band detectors to provide precise and adaptive cancellation
- ClearPath™ Technology
 - Noise reduction based on intelligent signal detection system with speech weighting factors. Fast time constants provide rapid reaction to incoming signals. Choice of settings: off, moderate, maximum
 - Selectable vector directional microphone for improved signal-to-noise ratio, AI-DI = 5.3 dB
 - ClearPath processing strategy applies the appropriate scheme based on input level independently across all channels to provide maximum flexibility in frequency shaping for soft, moderate and loud inputs (quiet mode expansion, linear, wide dynamic range compression, compression limiting)
- Up to three programs allowing customization for different listening environments
- Telecoil (T) mode or Microphone/Telecoil (MT) mode can be set as one of the three independent programs
- Users choose program through function switch; audible beep confirms selection
- Start up mute
- Low battery warning
- Conversa can be programmed using NOAH-compatible Unifit™ and Standalone Unifit
- O-M-P function switch: three positions Off–Microphone–Program
- Direct Audio Input - MLx compatible
- Manual volume control can be disabled through software
- Battery size: 13

OPTIONS

- Tamper-resistant volume control
- Tamper-resistant battery door
- Filtered earhook
- Child-sized earhook
- Choice of shell colors

SUITABLE FOR FITTING MILD TO SEVERE HEARING LOSSES



Fitting Guide

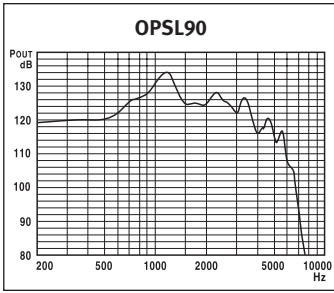
Can fit audiogram configurations ranging from reverse to precipitously sloping.

ANSI S3.22-1996 TECHNICAL DATA

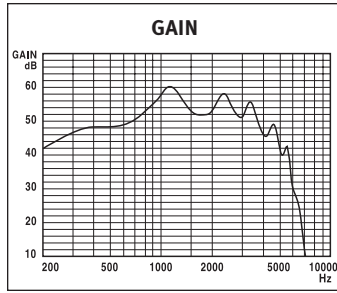
Frequency Range	200-6300 Hz	
Peak Gain	60 dB	
Peak Output	135 dB	
Reference Test Gain	50 dB	
HF Average Gain	55 dB	
HF Average OSPL90	127 dB	
Typical Battery Life (Zinc Air Premium)	290 h	
Current Drain at RTP	1.0 mA	
Telephone Magnetic Field Simulator		
HFA SPLITS	108 dB	
STS SPLITS	-2.0 dB	
Equivalent Input Noise at RTP	15 dB	
Total Harmonic Distortion at RTP		
500 Hz	typical 3%	< 4%
800 Hz	typical 1%	< 4%
1600 Hz	typical 1%	< 4%
Fast Time Constant		
Attack Time	< 40 ms	
Release Time	100 ms	
Slow Time Constant		
Attack Time	250 ms	
Release Time	300 ms	
Compression Ratio		
Wide Dynamic Range Compression	4:1 to 1:1	
Compression Limiting	20:1	

Quiet Mode Expansion: "On"

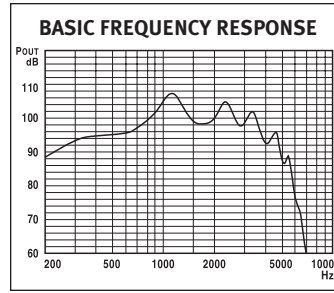
CONVERSA MINI-BTE DIGITAL ANSI SPECIFICATIONS



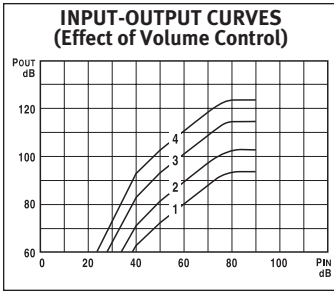
Input sound pressure level: 90 dB
Volume Control: full on



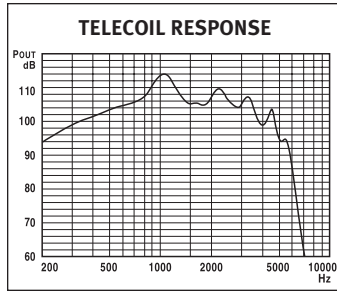
Input sound pressure level: 50 dB
Volume Control: full on



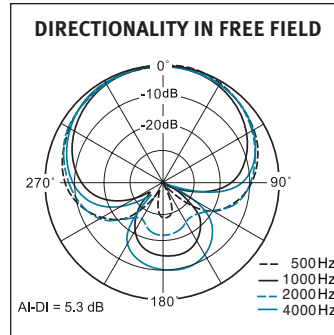
Input sound pressure level: 50 dB
Volume Control: RTP



Input at 2000 Hz
Volume Control: as shown



Input: 31.6 mA/m
Volume Control: RTP



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: Unfiltered
 TUBING: Length 25 mm,
 Inside Diameter 1.93 mm
 Refer to: "Summary of Test Conditions and Limits" for more details.

AID MARKING: Conversa

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.

Sound pressure level of this hearing aid exceeds 132 dB SPL.



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