



Conversa.NT BTE Series

Speech Enhancement Adaptive Beamformer, Realtime Feedback Canceller

HEARING AID FEATURES

- Speech enhancement based on an intelligent signal detection system identifies and automatically emphasizes speech signals independently in each of the 16 channels. Choice of settings: Off, Moderate, Maximum
- Adaptive beamformer manages noise from any direction, even if it is in motion, for improved speech intelligibility
- Realtime feedback canceller reacts within milliseconds using independent narrow band detectors to provide precise and adaptive feedback cancellation
- Intelligent noise reduction analyzes inputs on three dimensions and automatically reduces noise signals independently in each of the 16 channels. Choice of settings: Off, Mild, Moderate, Maximum
- Wind noise manager intuitively engages based on moderate or high wind conditions providing more enjoyment in outdoor pursuits
- 16 channels provide high resolution signal processing
- Dynamic range mapping functions independently across all 16 channels to allow accurate mapping of a wide range of input levels (quiet mode expansion, linear, wide dynamic range compression, output compression limiting)
- Up to three programs allow customization for different listening environments
- Telecoil (T) or Microphone/Telecoil (MT) option can be set in any of the three independent programs
- Wearers choose program through program button; audible beep confirms selection
- Ideal volume indicator provides beep notification when correct gain is reached on the volume control
- Manual volume control can be disabled through Unifit™
- On/Off feature through the battery door
- Start up mute
- Low battery warning
- Direct audio input - MLx compatible
- Battery size 13
- Conversa.NT can be programmed using NOAH-compatible Unifit software or standalone version of Unifit

OPTIONS

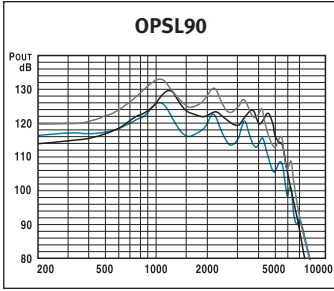
- WiFi Mic digital wireless CROS/BiCROS system
- Tamper-resistant volume control
- Tamper-resistant battery door
- Filtered earhook
- Choice of shell colors
- Direct audio input battery door unit



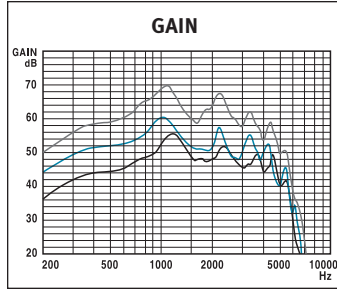
ANSI S3.22-1996 TECHNICAL DATA			
	Conversa.NT M (no vc)	Conversa.NT	Conversa.NT P (power)
Frequency Range (Hz)	200-6000	200-5800	200-6000
Peak Gain	55 dB	60 dB	70 dB
Peak Output	130 dB	127 dB	135 dB
Reference Test Gain	46 dB	42 dB	50 dB
HF Average Gain	50 dB	54 dB	63 dB
HF Average OSPL90	123 dB	119 dB	127 dB
Typical Battery Life (Zinc Air Premium)	220 h	265 h	210 h
Current Drain at RTP	1.3 mA	1.1 mA	1.4 mA
Telephone Magnetic Field Simulator			
HFA SPLITS	101 dB	97 dB	106 dB
STS SPLITS	-5.0 dB	-5.0 dB	-4.0 dB
Equivalent Input Noise at RTP	15 dB	15 dB	15 dB
Total Harmonic Distortion at RTP			
500 Hz typical	3%	< 5%	< 7%
800 Hz typical	1%	< 3%	< 5%
1600 Hz typical	1%	< 3%	< 5%
Fast Time Constant			
Attack Time	< 40 ms	< 40 ms	< 40 ms
Release Time	100 ms	100 ms	100 ms
Slow Time Constant			
Attack Time	250 ms	250 ms	250 ms
Release Time	300 ms	300 ms	300 ms
Compression Ratio			
Wide Dynamic Range			
Compression	4:1 to 1:1	4:1 to 1:1	4:1 to 1:1
Compression Limiting	20:1	20:1	20:1

Quiet Mode Expansion: "On"

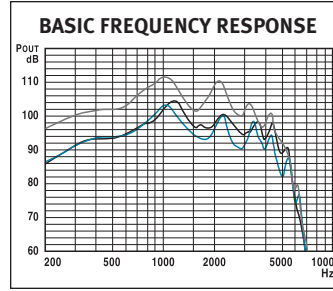
CONVERSA.NT BTE SERIES DIGITAL ANSI SPECIFICATIONS



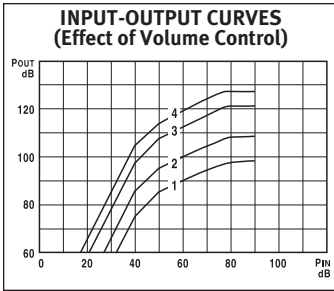
Input sound pressure level: 90 dB
Volume control: full on



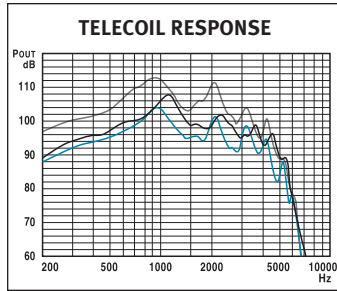
Input sound pressure level: 50 dB
Volume control: full on



Input sound pressure level: 60 dB
Volume control: RTP



Conversa.NT P input at 2000 Hz
Volume control: as shown



Input: 31.6 mA/m
Volume control: RTP

- Conversa.NT M
- Conversa.NT
- Conversa.NT P

TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control: 3.1
 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.NT M
 Conversa.NT
 Conversa.NT 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.

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

