



Conversa™ with ClearCall Custom

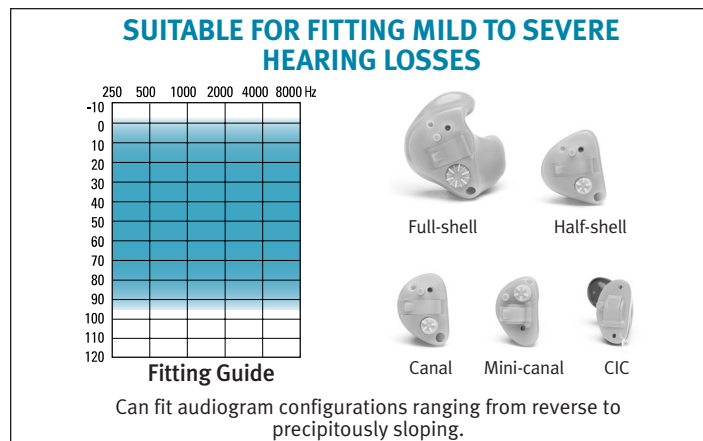
Realtime Feedback Canceller, Intelligent Noise Reduction Vector Directionality, ClearPath Processing Strategy

HEARING AID FEATURES

- 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
 - Vector directional microphone for improved signal-to-noise ratio, AI-DI = 5.1 dB
 - ClearPath processing strategy applies the appropriate gain 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)
- 16 channels provide high resolution signal processing
- Up to three programs allowing customization for different listening environments
- Wearers choose program through program button; audible beep confirms selection
- Start up mute
- Low battery warning
- Manual volume control can be disabled through software
- Programmed using NOAH-compatible Unifit™ and Standalone Unifit

OPTIONS

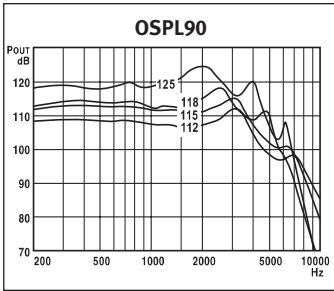
- Vector directional microphone system for improved signal-to-noise ratio, AI-DI=5.1 dB; offered with Canal, Half-shell and Full-shell
- Telecoil (T) or Microphone/Telecoil (MT) option can be set as one of the three programs
- Choice of shell colors



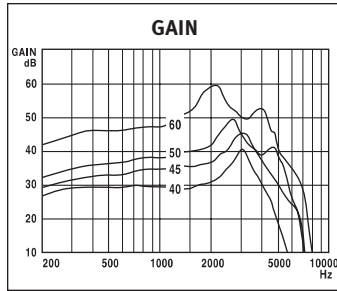
ANSI S3.22-1996 TECHNICAL DATA					
Styles	CIC	Mini-canal	Canal Half-shell	Full-shell	Full-shell Power
Frequency Range (Hz)	200-7500	200-7500	200-7500	200-7000	200-7000
Peak Gain	40 dB	45 dB	45 dB	50 dB	60 dB
Peak Output	112 dB	112 dB	115 dB	118 dB	125 dB
Reference Test Gain	30 dB	30 dB	33 dB	36 dB	43 dB
HF Average Gain	31 dB	37 dB	37 dB	42 dB	52 dB
HF Average OSPL ₉₀	107 dB	107 dB	110 dB	113 dB	120 dB
Typical Battery Life (Zinc Air Premium)	100 h	100 h	170 h	320 h	240 h
Current Drain at RTP	10A	10A	312	13	13
Telephone Magnetic Field Simulator	0.9 mA	0.9 mA	0.9 mA	0.9 mA	1.2 mA
HFA SPLITS	N/A	92 dB	94 dB	98 dB	103 dB
STS SPLITS		2.0 dB	1.0 dB	2.0 dB	-1.0 dB
Equivalent Input Noise at RTP	21 dB	20 dB	22 dB	21 dB	20 dB
Total Harmonic Distortion at RTP					
500 Hz typical	3%	5%	5%	5%	5%
800 Hz typical	2%	4%	4%	4%	7%
1600 Hz typical	2%	4%	4%	4%	4%
Fast Time Constant					
Attack Time					< 40 ms
Release Time					100 ms
Slow Time Constant					
Attack Time					200 ms
Release Time					300 ms
Compression Ratio					
Wide Dynamic Range Compression					4:1 to 1:1
Output Compression Limiting					20:1

Note: Technical data generated with Quiet Mode Expansion "On"

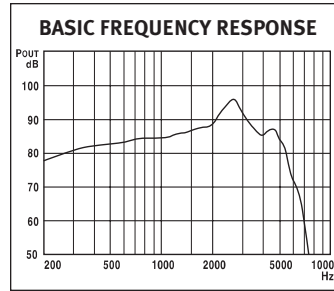
CONVERSA CUSTOM DIGITAL ANSI SPECIFICATIONS



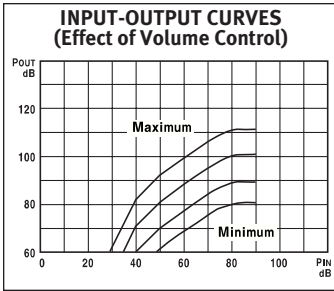
Input sound pressure level: 90 dB
Volume Control: full on



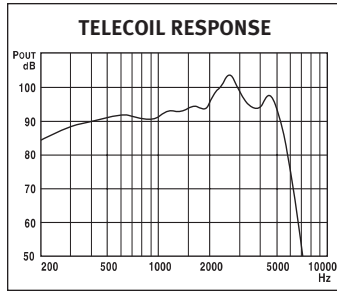
Input sound pressure level: 50 dB
Volume Control: full on



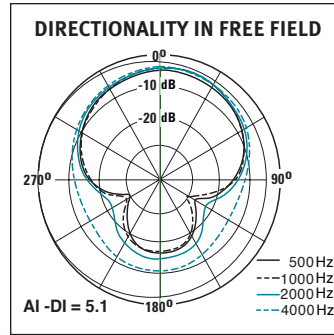
Input sound pressure level: 50 dB*
Volume Control: RTP



Input at 2000 Hz*
Volume Control: as shown



Input: 31.6 mA/m*
Volume Control: RTP



*Note: The performance was measured based on the Conversa full-shell (118/50).

TEST CONDITIONS

RTP-ANSI: Reference Test Position of the Volume Control
BATTERY: 13 Zinc Air Premium
SOURCE: Voltage 1.3 V
Impedance 6 Ohms
COUPLER: HA-1
VENT: Closed at canal end
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.



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