



Conversa™ with ClearCall Custom

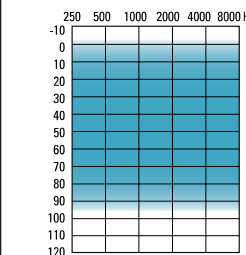
Realtime Feedback Canceller, Intelligent Noise Reduction Vector Directionality, ClearPath™ Processing Strategy

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



SUITABLE FOR FITTING MILD TO SEVERE HEARING LOSSES



Full-shell Half-shell
Canal Mini-canal CIC

Fitting Guide
Can fit audiogram configurations ranging from reverse to precipitously sloping.

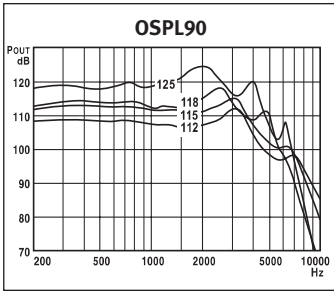
IEC 118-7 2cc COUPLER					
Styles	CIC	Mini-canal	Canal Half-shell	Full-shell	Full-shell Power
Frequency Range (Hz)	100-7100	100-7100	100-7100	100-7100	100-6200
Peak Gain	40 dB	45 dB	45 dB	50 dB	60 dB
Peak Output	112 dB	112 dB	115 dB	118 dB	125 dB
Reference Test Gain	20 dB	26 dB	26 dB	30 dB	41 dB
Full on Average Gain*	31 dB	35 dB	35 dB	39 dB	51 dB
Average Output*	107 dB	107 dB	109 dB	112 dB	120 dB
Reference Test Frequency	1.6 kHz	1.6 kHz	1.6 kHz	1.6 kHz	1.6 kHz
Full on Gain at 1.6 kHz	30 dB	36 dB	36 dB	40 dB	53 dB
Output at 1.6 kHz	106 dB	106 dB	110 dB	112 dB	122 dB
Typical Battery Life (Zinc Air Premium)	100 h 10A	100 h 10A	170 h 312	320 h 13	265 h 13
Current Drain at RTG	0.9 mA	0.9 mA	0.9 mA	0.9 mA	1.1 mA
Output with Inductive Input at 1.6 kHz Quiet Mode Expansion "Off"	N/A	64 dB	66 dB	70 dB	83 dB
Equivalent Input Noise at RTG (50 dB in)	24 dB	22 dB	22 dB	21 dB	21 dB
Fast Time Constant					< 40 ms
Attack Time					100 ms
Release Time					
Slow Time Constant					200 ms
Attack Time					300 ms
Release Time					
Compression Ratio					4:1 to 1:1
Wide Dynamic Range Compression					20:1
Compression Limiting					

*Average of 500, 1000 and 2000 Hz

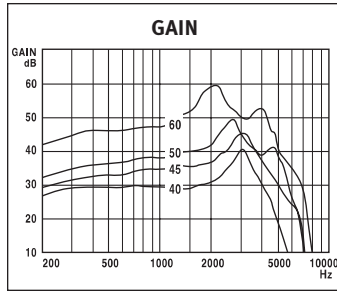
IEC 118-0 EAR SIMULATOR					
Styles	CIC	Mini-canal	Canal Half-shell	Full-shell	Full-shell Power
Frequency Range (Hz)	100-7100	100-7100	100-7100	100-7100	100-7000
Peak Gain	53 dB	58 dB	58 dB	60 dB	70 dB
Peak Output	123 dB	123 dB	125 dB	129 dB	134 dB
Reference Test Gain	30 dB	33 dB	34 dB	36 dB	49 dB
Full on Gain at 1.6 kHz	39 dB	45 dB	45 dB	50 dB	61 dB
Output at 1.6 kHz	115 dB	115 dB	118 dB	120 dB	130 dB

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

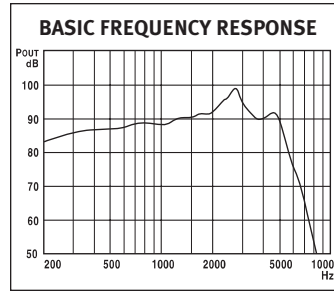
CONVERSA CUSTOM DIGITAL IEC 118-7 2cc COUPLER



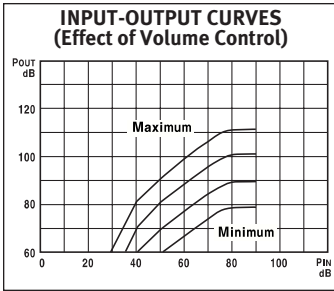
Input sound pressure level: 90 dB
Volume Control: full on



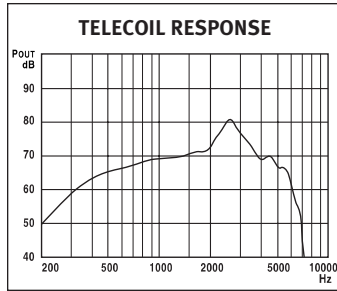
Input sound pressure level: 50 dB
Volume Control: full on



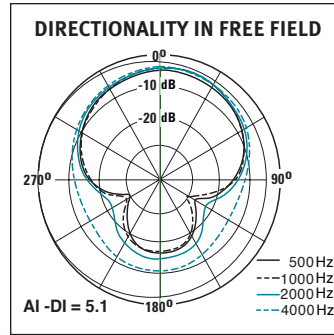
Input sound pressure level: 60 dB*
Volume Control: RTG



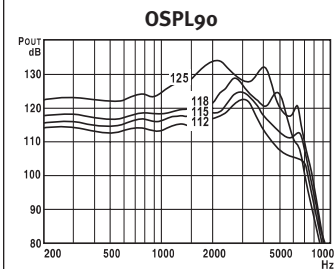
Input at 1600 Hz*
Volume Control: as shown



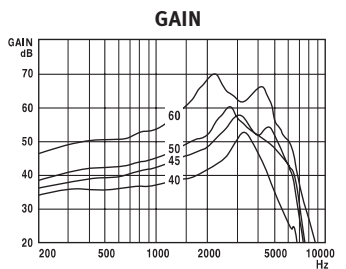
Input: 1 mA/m*
Volume Control: full on



IEC 118-0 EAR SIMULATOR



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



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

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

TEST CONDITIONS

RTG-IEC: Reference Test Gain of the Volume Control
BATTERY: 13 Zinc Air Premium
SOURCE: Voltage 1.3 V
Impedance 6 Ohms
COUPLER: IEC-711, IEC-126
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

IEC: International Electrotechnical Commission Publication 118-0, 118-7 (1983)
European Standard EN60118/A1 February, 1994

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.



CORPORATE OFFICE
Kitchener, Ontario, Canada
877 492 6244; 519 895 0100

CANADA
Cambridge, Ontario
800 265 8255; 519 650 9111

EUROPE
Bremen, Germany
49 421 43 87 90

INTERNATIONAL
Kitchener, Ontario, Canada
519 895 0100

NETHERLANDS
Nieuwegein, The Netherlands
+31 (0) 30 604 9325

UK
Warrington, Cheshire, England
01925 247810

U.S.A.
Plymouth, Minnesota
800 888 8882; 763 744 3300

www.unitronhearing.com