Unison 6 Moda

10A BTE

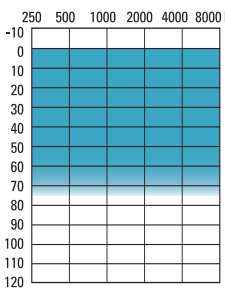
Adaptive Feedback Canceller
Open Fitting Option, 4 Processing Choices

HEARING AID FEATURES

- 6 channels with 6 bands provide flexibility for fitting wide range of audiometric configurations
- 4 processing choices to tailor to client needs
  - Digital Wide Dynamic Range Compression (Digital WDRC©)
  - ASP Noise Suppression for automatic low-frequency attenuation
  - Adaptive Compression (AGCi)
  - Linear with Output Compression Limiting (AGCo)
- Intelligent noise reduction analyzes input on 3 dimensions and automatically reduces noise signals independently in each of the 6 channels. Choice of: off, mild, moderate, maximum
- Adaptive feedback canceller addresses feedback in everyday situations
- Multiband feedback manager at time of fitting via Unifit™ software
- Multi-channel quiet mode expansion reduces gain for very soft inputs, yet preserves moderately soft inputs such as speech for more pure, natural sound
- Intelligent power management responds to environmental inputs more efficiently to maximize battery life
- Up to 3 programs allow customization for different listening environments
- Telecoil (T) mode or Microphone/Telecoil (MT) mode can be set as one of the 3 independent programs
- Wearers choose program through push button; audible beep confirms selection
- Selectable dual microphone directionality for improved signal-to-noise ratio, AI-DI=5.0 dB
- Start up mute
- Low battery warning
- Filtered earhook
- Battery size 10A
- Unison 6 Moda can be programmed using Noah-compatible Unifit software or standalone Unifit

OPTIONS

- Slim tube coupling for instant open fittings
- Unfiltered earhook
- Choice of shell colours



Fitting Guide

SUITABLE FOR FITTING MILD TO MODERATELY-SEVERE HEARING LOSSES

Can fit audiogram configurations ranging from reverse to precipitiously sloping

IEC 118-0 TECHNICAL DATA

Unison 3 Moda	Filtered Earhook	Unfiltered Earhook	Slim Tube Coupling
Peak Gain	51 dB	56 dB	48 dB
Peak Output	127 dB	130 dB	119 dB
Reference Test Gain	37 dB	42 dB	36 dB
Full on Average Gain*	42 dB	43 dB	10 dB
Average Output*	117 dB	119 dB	90 dB
Frequency Range (Hz)	200-5800	300-5700	1200-5600
Reference Test Frequency	1.6 kHz	1.6 kHz	2.5 kHz
Full on Gain at RTF	45 dB	51 dB	45 dB
Output at RTF	123 dB	128 dB	116 dB
Typical Battery Life (Zinc Air Premium)	80 h	80 h	80 h
Current Drain at RTG	1.1 mA	1.1 mA	1.1 mA
Output with Inductive Input at RTF, Quiet Mode	75 dB	80 dB Expansion "Off"	72 dB
Equivalent Input Noise at RTG	15 dB	12 dB	15 dB
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
AGCi	6:1	6:1	6:1
AGCo	20:1	20:1	20:1

*Average of 500, 1000 and 1600 Hz

IEC 118-7 2CC COUPLER

Peak Gain	40 dB	47 dB	38 dB
Peak Output	117 dB	124 dB	108 dB
Reference Test Gain	29 dB	32 dB	26 dB
Full on Gain at RTF	38 dB	41 dB	35 dB
Output at RTF	115 dB	118 dB	106 dB
Frequency Range (Hz)	200-5600	200-5600	1200-5800

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

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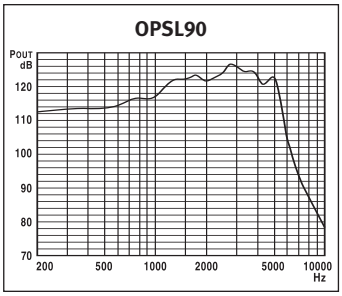
CE 0543

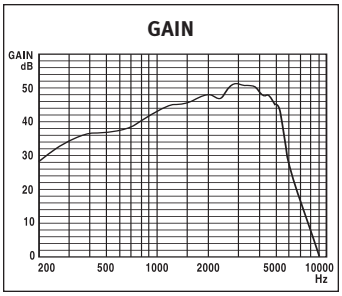
UNISON 6 D MODA BTE DIGITAL (FILTERED EARHOOK) IEC 118-0 EAR SIMULATOR SPECIFICATIONS

OPSL90



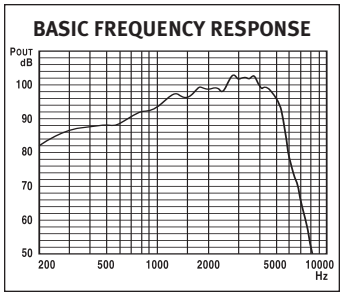
Input sound pressure level: 90 dB
Volume control: full on

GAIN



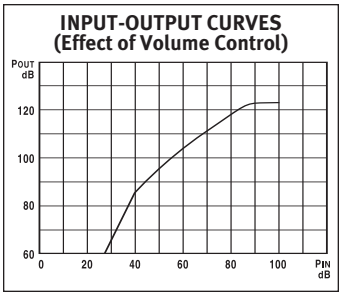
Input sound pressure level: 50 dB
Volume control: full on

BASIC FREQUENCY RESPONSE



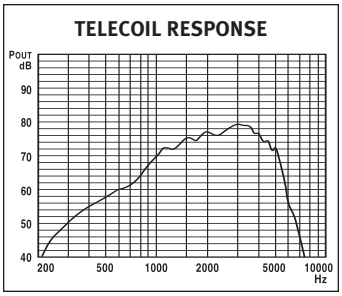
Input sound pressure level: 60 dB
Volume control: RTG

INPUT-OUTPUT CURVES (Effect of Volume Control)



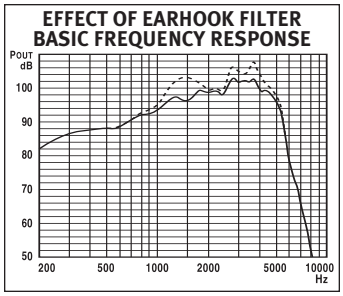
Input at 1600 Hz
Volume control: full on

TELECOIL RESPONSE



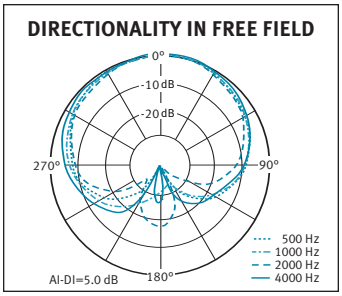
Input: 1 mA/m
Volume control: full on

EFFECT OF EARHOOK FILTER BASIC FREQUENCY RESPONSE



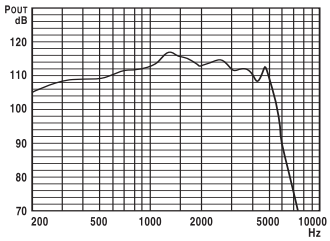
Solid line: filtered earhook
Dotted line: unfiltered earhook

DIRECTIONALITY IN FREE FIELD



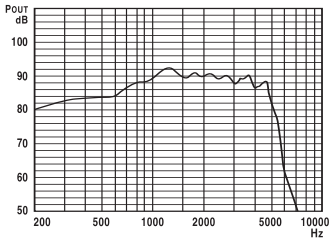
IEC 118-7 2CC COUPLER

OSPL90



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

BASIC FREQUENCY RESPONSE



Input sound pressure level: 60 dB
Volume control: RTG

TEST CONDITIONS

RTG-IEC: Reference Test Position of the programmable Volume Control (FOG - 7 dB)
BATTERY: 10 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: Unison 6 Moda

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 EN 60118-0/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.

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

unitron hearing™

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