



Unison 2 Custom

Two Memory
4 Bands, 2 Channels, Digital WDRC²

HEARING AID FEATURES

- 4 bands provide flexibility in frequency shaping for audiometric configurations and client preferences
- 2 channel Digital Wide Dynamic Range Compression (Digital WDRC²) algorithm
- 2 programs allow customization for different listening environments
- Quiet Mode Expansion for improved sound quality in quiet environments and reduced microphone and circuit noise
- Feedback Manager at fitting time via Unifit software
- Users choose program through push button; audible beep confirms selection
- Low battery warning
- Unison 2 can be programmed using NOAH-compatible Unifit or Standalone Unifit
- Manual Volume Control can be disabled in software

OPTIONS

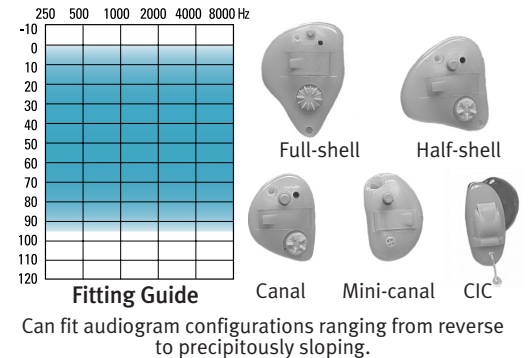
- Selectable dual-microphone directionality for improved signal-to-noise ratio
- Telecoil (T) mode or Microphone/Telecoil (MT) mode available using 3rd position of program switch
- Unison 2 Single Memory with telecoil using 2nd position of program switch available for the ITE to CIC shell styles

Shell Style	MAXIMUM AMPLIFICATION		EQUIVALENT INPUT NOISE LEVEL AT RTP**
	Output	Peak Gain	
Full-shell Power	121 dB	60 dB	17 dB
Full-shell*	118 dB	50 dB	19 dB
Canal/Half-shell*	115 dB	45 dB	21 dB
CIC/Mini-canal	112 dB	40 dB	25 dB

*Available with Dual-Microphone Directionality

**Quiet Mode Expansion: in "0.5 to 1.0" position

SUITABLE FOR FITTING MILD TO SEVERE HEARING LOSSES

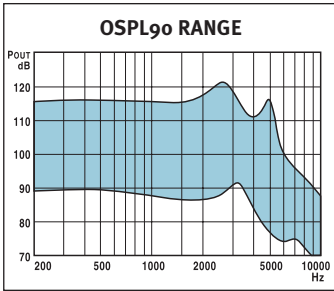


ANSI S3.22-1996 TECHNICAL DATA

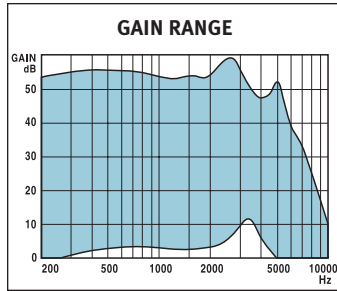
Frequency Range	100-8000 Hz	
Peak Gain (40 dB in)	40-60 dB	
Peak Output	112-121 dB	
Reference Test Gain	32-40 dB	
HF Average Gain	5-55 dB	
HF Average OSPL90	87-117 dB	
Battery Size	Current Drain at RTP	Typical Life
13	1.0 - 1.4 mA	210 - 325 h
312	0.95 mA	160h
10A	0.9 mA	100h
Telephone Magnetic Field Simulator	89-97 dB	
HFA SPLITS	-3 dB	
STS SPLITS		
Total Harmonic Distortion at RTP		
500 Hz	typical 3%	< 5%
800 Hz	typical 3%	< 5%
1600 Hz	typical 3%	< 5%
Fast Time Constant		
Attack Time		<10 ms
Release Time		80 ms
Slow Time Constant		
Attack Time		40 ms
Release Time		400 ms
Compression Ratio	Wide Dynamic Range Compression 4:1 to 1:1	

Note: Quiet Mode Expansion: in "0.5:1" position

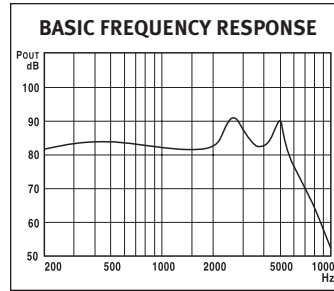
UNISON 2 CUSTOM DIGITAL ANSI SPECIFICATIONS



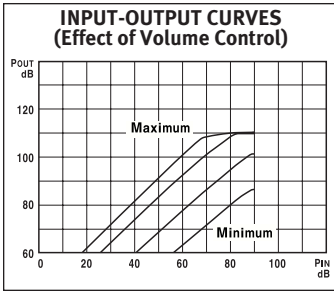
Input sound pressure level: 90 dB
Volume Control: full on



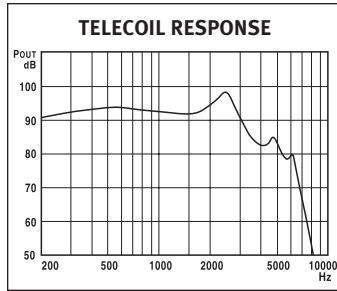
Input sound pressure level: 50 dB
Volume Control: full on



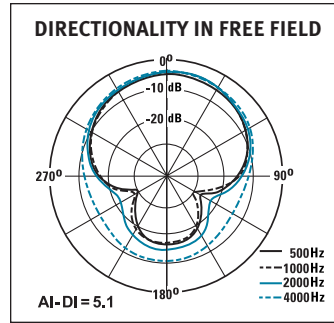
Input sound pressure level: 50 dB*
Volume Control: RTP



Input at 2000 Hz*
Volume Control: as shown



Input: 31.6 mA/m*
Volume Control: RTP



*Note: The performance was measured based on the Unison 2 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
 VENT: Closed at canal end
 COUPLER: HA-1
 Refer to: "Summary of Test Conditions and Limits" for more details.

AID MARKING:

Two Memory: UNISON 2;
 Single memory: UNISON 2*

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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