



Liaison™ Custom

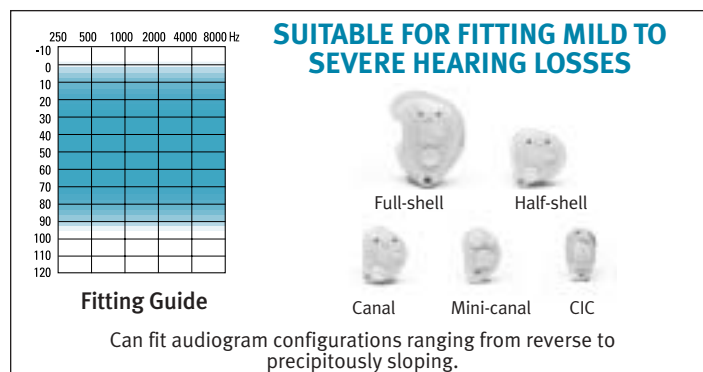
Dynamic SoundScene™ Adaptive Beamformer, Realtime Feedback Canceller

HEARING AID FEATURES

- Dynamic SoundScene™ provides comfortable, effortless and discreet transitions within a single program:
 - Adaptive Beamformer manages noise from any direction, even if it is in motion, for better speech intelligibility. Offered as a standard feature in canal, half-shell and full-shell (except full-shell power)
 - Intelligent Noise Reduction 2.0 analyzes input on three dimensions and automatically reduces noise signals independently in each of the 16 channels. Customizable with activation level and degree of noise reduction settings
 - Realtime feedback canceller reacts within milliseconds using independent narrow band detectors to provide precise and adaptive feedback cancellation
 - 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 for accurate mapping of a wide range of input levels (quiet mode expansion, linear, wide dynamic range compression, output limiting)
- Up to three programs to provide flexibility for personalized fittings
- Manual mode offers customizable programs for unique listening needs
- Start up mute
- Wearers choose program through push button; audible beep confirms selection
- Low battery warning
- Ideal volume indicator provides beep notification when correct gain is reached on the volume control
- Manual volume control can be disabled through software
- Liaison can be programmed using NOAH-compatible Unifit™ and Standalone Unifit

OPTIONS

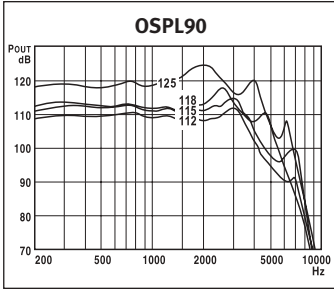
- Telecoil (T) or Microphone/Telecoil (MT) option can be set as one of the three programs



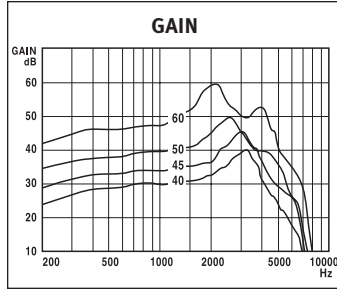
ANSI S3.22-1996 TECHNICAL DATA					
Styles	CIC	Mini-canal	Canal Half-shell	Full-shell	Full-shell Power
Frequency Range (Hz)	200-7500	200-7500	200-7500	200-7000	200-7000
Peak Gain	40 dB	45 dB	45 dB	50 dB	60 dB
Peak Output	112 dB	112 dB	115 dB	118 dB	125 dB
Reference Test Gain	32 dB	32 dB	35 dB	36 dB	43 dB
HF Average Gain	32 dB	36 dB	37 dB	43 dB	52 dB
HF Average OSPL ₉₀	109 dB	109 dB	112 dB	113 dB	120 dB
Typical Battery Life (Zinc Air Premium)	90 h	90 h	150 h	150/290 h	240 h
Current Drain at RTP	10A	10A	312	312/13	13
Equivalent Input Noise at RTP	20 dB	19 dB	21 dB	20 dB	20 dB
Telephone Magnetic Field Simulator					
HFA SPLITS	N/A	92 dB	93 dB	95 dB	103 dB
STS SPLITS		0 dB	-4 dB	-1.0 dB	-1.0 dB
Total Harmonic Distortion at RTP					
500 Hz typical	3%	5%	5%	5%	5%
800 Hz typical	1%	4%	4%	4%	7%
1600 Hz typical	1%	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"

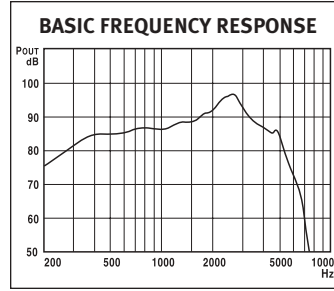
LIAISON CUSTOM DIGITAL ANSI SPECIFICATIONS



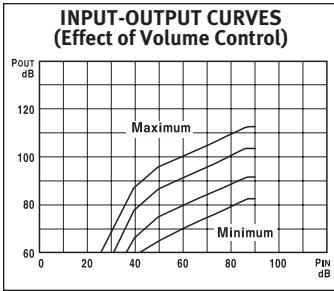
Input sound pressure level: 90 dB
Volume Control: full on



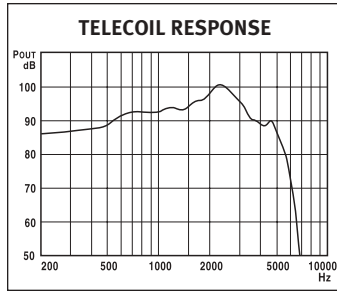
Input sound pressure level: 50 dB
Volume Control: full on



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

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: Liaison

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.



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