



## Liaison™ M BTE without volume control

Dynamic SoundScene™  
Adaptive Beamformer, Realtime Feedback Canceller

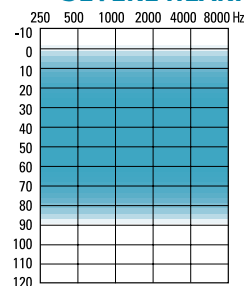
### HEARING AID FEATURES

- 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
  - 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
- Telecoil (T) or Microphone/Telecoil (MT) option can be set as one of the three programs
- Start up mute
- Wearers choose program through push button; audible beep confirms selection
- Low battery warning
- On/Off by opening or closing the battery door
- Liaison can be programmed using NOAH-compatible Unifit™ and Standalone Unifit
- Direct Audio Input compatible
- MLx compatible
- Battery size: 13

### OPTIONS

- Tamper-resistant battery door
- Filtered earhook
- Choice of shell colours
- Direct Audio Input battery door unit

### SUITABLE FOR FITTING MILD TO SEVERE HEARING LOSSES



#### Fitting Guide

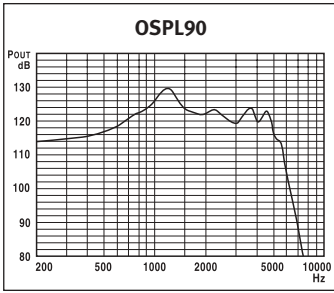
Can fit audiogram configurations ranging from reverse to precipitously sloping.

### ANSI 3.22-1996 TECHNICAL DATA

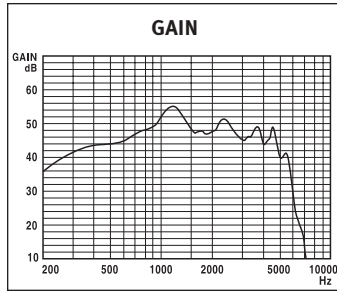
Frequency Range	200-6000 Hz	
Peak Gain	55 dB	
Peak Output	130 dB	
Reference Test Gain	46 dB	
HF Average Gain	50 dB	
HF Average OSPL90	123 dB	
Typical Battery Life (Zinc Air Premium)	220 h	
Current Drain at RTP	1.3 mA	
Telephone Magnetic Field Simulator		
HFS SPLITS	101 dB	
STS SPLITS	-5.0 dB	
Equivalent Input Noise at RTP	15 dB	
Total Harmonic Distorsion at RTP		
500 Hz	typical 3%	< 5%
800 Hz	typical 1%	< 3%
1600 Hz	typical 1%	< 3%
Fast Time Constant		
Attack Time	< 40 ms	
Release Time	100 ms	
Slow Time Constant		
Attack Time	250 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"

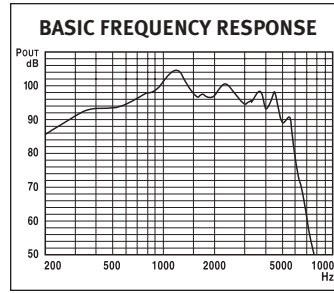
# LIAISON M DIGITAL BTE ANSI SPECIFICATIONS



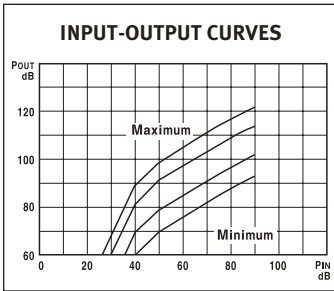
Input sound pressure level: 90 dB  
Volume Control: full on



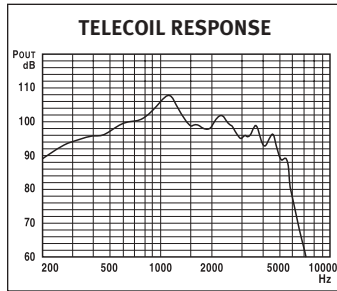
Input sound pressure level: 50 dB  
Volume Control: full on



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: 3.1  
BATTERY: 13 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:** Liaison M

## 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.

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



**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](http://www.unitronhearing.com)