# Musicians' Listening Design

Digital
Amplification
MLD

### DEVICE FEATURES

- Micro Case
- #10 battery
- 4 channel, 4 Memory
- Soft, Free-field Dome
- Sm, Md, or Lg tube size

### CONSUMER APPEAL

- Cosmetic Appeal
- 1 yr. Warranty
- Micro-Ploy Tube
- No Ear Impression
- Same Day Fitting

## Introducing the MLD, for musicians and anyone who wants to hear music and everyday sounds as they were meant to be heard.

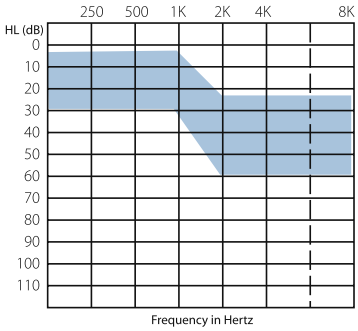
The Musicians' Listening Design, or MLD, is a micro OTE amplification device designed for musicians by musicians. It features the Digi-K circuit. The Digi-K offers a true high fidelity listening experience. Digi-K does offer noise filtering or feedback management features, which can compromise the purity of the circuit. Digi-K is a 4 channel, 4 memory circuit that provides high coherence signal processing, expanded headroom and 16kHz bandwidth amplifier.

The MLD features a micro-poly tube free-field ear tip resulting in transparent ear canal resonance. The result is clean, stable high frequency amplification with a total absence of occlusion.

Visit www.generalhearing.com for in-depth details on the Digi-K circuit performance.

The MLD can provide up to four memories that are designed to optimize understanding speech in different listening situations.

### TYPICAL FITTING RANGE



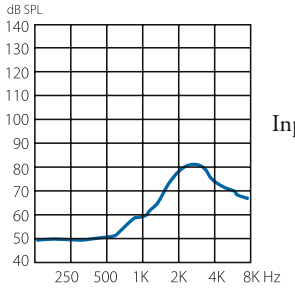

Where there's so much to hear about...
**www.generalhearing.com**

General Hearing Instruments, Inc.
P.O. Box 23748
New Orleans, LA 70183-0748
800.824-3021 Fax (504) 733-3767

OTE

### MLD REAL-EAR DATA

These data display typical real-ear performance with the instrument programmed for free-field fitting and set in Memory 4 (highest gain). The effects of the free-field venting can be seen with the roll-off at frequencies below 2000 Hz. (which contains most of the noise energy). There is transparent open ear canal resonance, resulting in efficient high frequency gain from 2000 Hz. to beyond 4000 Hz.




Input: 50 dBSPL

## MLD Features:

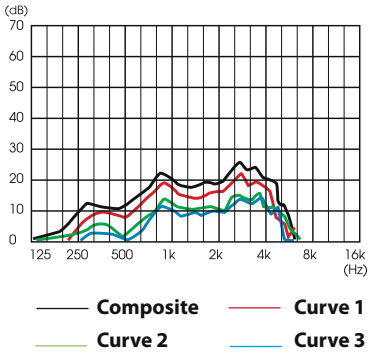
- NOAH compatible or stand-alone software
- 16 kHZ bandwidth
- Expanded headroom
- High coherence
- 12 band Gain Adjustment
- Programmable Power-On Delay
- Formatted for high fidelity music listening

# MLD Data Specifications

The Musician's Listening Design MLD DSP for musicians and music lovers has been specifically designed for those who have difficulty understanding speech in the presence of background noise. Rather than experiencing loudness, the wearer will find speech clearer and easier to understand. It's powered by the Digi-K processor, which offers uncompromising purity of the circuit. The MLD does not use signal clipping noise filters or feedback features. The MLD DSP is equipped with four memories designed to optimize understanding speech in different listening situations. For free-field fittings, the memories have been assigned to provide smooth high frequency amplification with ascending levels of gain: Memory 1 has the lowest gain setting; Memory 4 has the highest gain setting.

### ANSI DATA

ANSI has mandated this test to enable consistent analysis of instrument performance. Measurements are obtained with the tip of the micropolytube affixed to a closed 2cc coupler. It should be noted that ANSI testing does not reflect the effects of free-field venting or of ear canal resonance. The resonant peak at 700 Hz. and the high frequency roll-off above 2700 Hz. are the expected acoustic effects of narrow diameter tubing. The data shown are with the MLD formatted for a free-field fitting. The curves show performance of each of the memories with 40dB input.




**Composite** (memory 4)

| | |
|---|---|
| Source | 40 dB |
| Peak | 25.6 dB |
| Peak Frequency | 3,100 Hz |
| RMS Out | 57.7 dB |
| Noise Reduction | 16 dB |

**Curve 1** (memory 3)

| | |
|---|---|
| Source | 40 dB |
| Peak | 22 dB |
| Peak Frequency | 3,100 Hz |
| RMS Out | 53.5 dB |
| Noise Reduction | 16 dB |

**Curve 2** (memory 2)

| | |
|---|---|
| Source | 40 dB |
| Peak | 16.8 dB |
| Peak Frequency | 3,300 Hz |
| RMS Out | 49.2 dB |
| Noise Reduction | 16 dB |

**Curve 3** (memory 1)

| | |
|---|---|
| Source | 40 dB |
| Peak | 15.1dB |
| Peak Frequency | 2,900 Hz |
| RMS Out | 47.1 dB |
| Noise Reduction | 16 dB |

### BATTERY DATA

Battery (1.3V) 1.03 mA



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