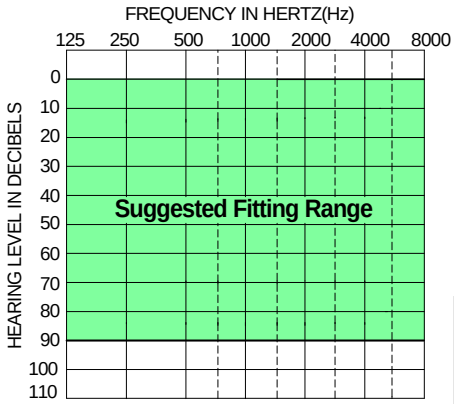
# INTUITION 2

Audina HEARING INSTRUMENTS, INC.




## STANDARD FEATURES

- 100% Digital
- Concealed programming socket
- Multi-memory(1-4) push button with Tone Indicator
- Direct Audio Input(DAI) capability
- Numbered Volume Control

## OPTIONS

- On/Off Switch built into Battery Door
- Programmable telephone coil
- Push On replaceable earhook
- Housings available in Beige, Gray and Brown
- Battery Door Lock
- Volume Control Cover

## Performance Data:

| | | | Coupler 2cc IEC 118-7/94 | Coupler MZ (711) IEC 118-0/94 | Coupler 2cc ANSI S3.22-1996 | Limits |
|---|---|---|---|---|---|---|
| SATURATION (OSPL 90) | Peak | dB SPL | 134 | 140 | 134 | +/- 3 |
| | F Reference | dB SPL | 127 | 135 | | +/- 3 |
| | HF Average | dB SPL | | | 126 | +/- 3 |
| Full-on Gain (Input: 50dB SPL) | Peak | dB | 66 | 75 | 66 | +/- 4 |
| | F Reference | dB | 60 | 70 | | +/- 4 |
| | HF Average | dB | | | 59 | +/- 4 |
| Nominal Reference Test Gain (RTG) | | dB | 60 | 60 | 47 | |
| Frequency Range | | Hz | 200-5400 | | | |
| Volume Control Range | | dB | >45 | | | |
| Total Harmonic Distortion at RTG: | | | | | | |
| 70 dB SPL in | 500 Hz | % | | | 4 | <7 |
| | 800 Hz | % | 7 | 7 | 4 | <7 |
| 65 dB SPL in | 1600 Hz | % | | | 1 | <3 |
| Equivalent Input Noise Level | | dB | 30 | | | <33 |
| | | dB | | | 30 | <33 |
| Maximum Telecoil Sensitivity | | | | | | |
| FOG; Input 10mA/m @ RTF | | dB | 100 | | | |
| RTG; Input 31.6mA/m @ RTF | | dB | | | | |
| FOG; Input 31.6mA/m @ RTF | | dB | | | 110 | |
| SPLITS @ RTF | | dB | | | 103 | |
| HF Average | | dB | | | 105 | |
| STS | | dB | | | 1.0 | |
| Supply Current | | input dB SPL | 60 | | 65 | |
| at RTG | | mA | 1.00 | | 1.00 | <1.30 |
| Battery Life | Type13 Zinc-Air(220mAh) | hrs | 215 | | 215 | |
| | Type13 Zinc-Air HighPower(200mAh) | hrs | 195 | | 195 | |
| AGC @ 2KHz | Attack | mS | 10 | | 10 | +/-50% |
| | Release | mS | 210 | | 210 | +/-50% |
| Reference Test Frequency(RTF) | | Hz | 1600 | 1600 | 1000 | |

## Description

The Intuition 2 BTE is a programmable 2 channel Digital Wide Dynamic Range Compression system

Highly configurable digital signal processor provides excellent versatility, with independent channel compressor characteristics

Ten-Band Gain Adjustment for precise target matching

Fully adjustable Low Frequency Slope and Corner control

Adjustable low level expansion for quieter performance

Unique Dynamic Contrast Detector "Reaches Down" to amplify quiet speech more

Look-Ahead Detection monitors signal path for loud transients and reduces gain in advance of oncoming transients, nearly eliminates signal clipping due to loud transients

Adj. Threshold Levels in each channel from 40 to 70dB

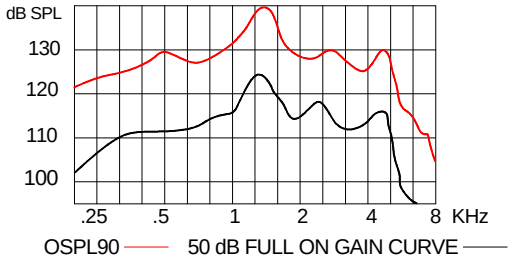
AGC-o compression limiting

Battery Type: Zinc-Air Size 13

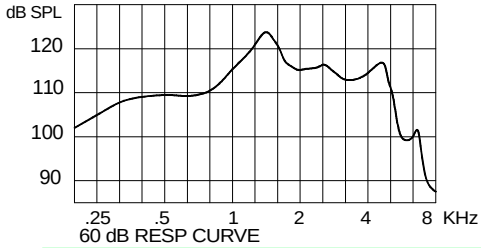
Adjustable Low Battery Indicator and Memory Tone

Programmable with HiPro or the Micro-connect card

IEC118-0

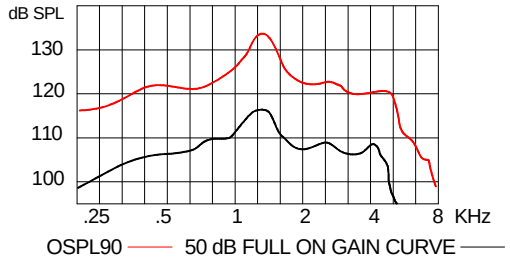



OSPL90 —— 50 dB FULL ON GAIN CURVE ——

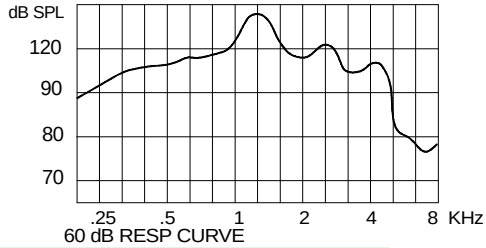



60 dB RESP CURVE

IEC 118-7/ANSI S3.22-1996




OSPL90 —— 50 dB FULL ON GAIN CURVE ——




60 dB RESP CURVE

CE 0120

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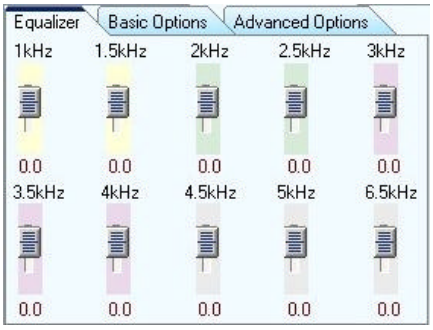
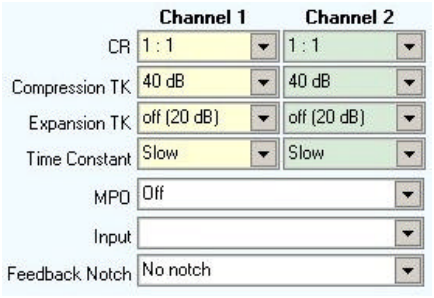
DWG# SPIECBTE_Intuition_2
Rev. 2 06/29/05




## Ten (10) Band Gain Adjustment

- Precise Target Matching
- Low Frequency Shaping
- High frequency Shaping
- Resonance Smoothing
- Feedback Notches
- Peak Shifting

Multiple Colors Available




## Advanced Options

The Audina ezFIT software allows high versatility for accurate patient fittings.

- Adjustable Compression Ratio's offer a range from 1:1 to 4:1
- Adjustable and fully independant Compression and Expansion Thresholds for high flexibility
- Select from a wide range of Time Constants, MPO and Feedback Notch settings

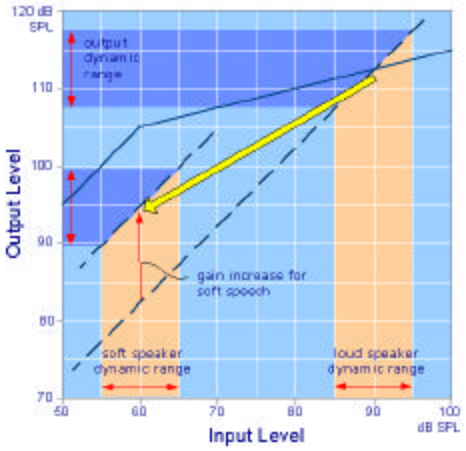

Concealed Programming Socket


## Basic Options

The Audina ezFIT software allows further fine-tuning for enhanced patient comfort.

- Adjustable 12dB/Oct. filter for High Frequency Corner control
- Adjustable Low Frequency Corner control
- Adjustable Low Slope settings of: 0dB(Flat), 6dB, 12dB and 18dB/Oct.


Multi-Memory(P1-P4) Push Button




## Dynamic Contrast Detector

When two detectors are not enough, the Dynamic Contrast Detector reconizes the presence of the soft speaker and "Reaches Down" to amplify the quiet speech more.

- BASIC mode allows ***very*** long time constants for speech in noise
- FAST mode detects loud transients and releases quickly
- REACH mode recognizes alternating loud and soft sounds


DAI Input capability

## Look- Ahead Detection

Monitors signal path for loud transients and reduces gain ***in advance*** of the oncoming transient- nearly eliminates signal clipping due to loud transients.


Battery Door Lock available