

# HEARLAB SPECIFICATIONS

## TESTS AVAILABLE:

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| Tests Available: | ACA: Aided Cortical Assessment (ACA)<br>Cortical Threshold Estimate (CTE)                     |
| Test results:    | Grand averages<br>Stacked traces for CTE<br>Statistical analysis for detection and difference |
| Recordings:      | Assessment records stored in a data base with subject information                             |

## INPUT CHANNELS:

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|----------------------|--|
| Stimulus Controller: | 2 Microphone channels  |
| Electrode Processor: | 2-Channel recording (the cortical response signal and the stimulus signal) |

## OUTPUT CONNECTIONS:

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Free field loudspeaker (test loudspeaker)  
Free field loudspeaker (monitor loudspeaker)  
Insert earphone, left and right  
Bone conductor

## STIMULI AND LEVELS:

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|                  |   |
|------------------|---|
| ACA:             | Stimuli: Speech sounds /m/, /t/, /g/<br>Output and Level: Free field output only @ 55, 65 and 75 dB SPL   |
| CTE:             | Stimuli: Pure tones 500, 1k, 1k5, 2k, 3k, 4k Hz<br>Output and Level: Insert phones: -10–110 dB HL, 5 dB steps<br>Bone conductor: -10–70 dB HL, 5 dB steps (60 dB HL for 500 Hz) |
| Masking Signals: | CTE: Narrow-band noise  |



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