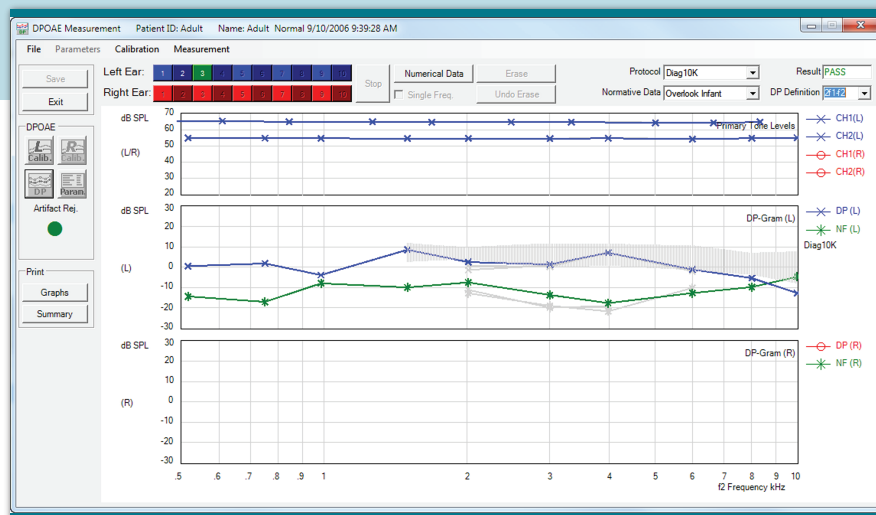


# DPOAE

## Distortion-Product Otoacoustic Emission Module



Combine with MEPA3 wideband immittance software for a complete middle- and inner-ear diagnostic system.

### DP: Distortion-Product Otoacoustic Emission

- Exceeds CPT 92588 DPOAE billing requirements
- Measurements in seconds
- Screening and diagnostic modes
- State-of-the-art artifact rejection for use in clinics and hospitals
- Single frequency retesting
- Allows you to create custom protocols
- Extended frequency range



# HearID 5 + DP Module - Technical Specifications

## Distortion-Product Otoacoustic Emission System

### HearID + DP Specifications

To run HearID + DP, you need a HearID software and hardware system with the DP Module.

Adjustable Parameters:

- Frequency range: 500 to 16,000 Hz.
- Number of test points per octave: 1 to 50.
- Intensity: f1 and f2 levels from 0 to 70 dB SPL.
- Minimum number of valid test points to pass.
- Minimum DPOAE level to pass.
- Ratio: f2/f1 from 1.1 to 1.8.
- Minimum DPOAE to noise level to pass.
- Averaging time: 0.25 to 20 seconds.
- DP Definition Points: f2-f1; 2f2-f1; 2f1-f2; 3f1-2f2; 3f2-2f1; 4f1-3f2; 4f2-3f1.

### Artifact Rejection Criteria

Adjust noise level for rejection or noise level above calibrated noise floor.

### Stopping Rules Criteria

- Noise level for accepting DPOAE measurement.
- Acceptable DPOAE-to-noise ratio.
- Maximum signal duration for a frequency point.

### Special Features

- Screening and diagnostic modes.
- Customizable measurement protocols.
- Capability to retest at a single test point.
- Allows overlay of up to 10 measurements at once.
- Normative data.
- Boystown reporting format option.
- Results may be exported to Excel, Hi\*Track, or OZ.
- In-the-ear calibration.

### Environmental Requirements

For valid measurements:

- The air temperature must be within +59°F to +95°F (+15°C to +35°C).
- Relative air humidity must be between 30% and 90%.
- Ambient noise should be minimal; however, a sound-treated booth or room is not necessary.

### Regulatory

HearID DP is a legally marketed device (FDA 510(k)).

### HearID + DP Hardware

- 24-bit proprietary USB Audio Processing Unit.
- ER10C sound probe from Etymotic Research.
- Disposable foam and rubber eartips for comfortable, stable probe insertion. Seven sizes available, suitable for infants to adults.
- Cutoff 2-cc syringe, for use as a test cavity.
- Laptop computer not included but must meet the minimum requirements below.

### Computer System Minimum Requirements

- IBM™ compatible laptop.
- Windows 7™ or Windows 10™.
- At least 1GB free hard drive space.
- One available USB 2.0 port or better.
- Recent version of Adobe Reader (for displaying the electronic manuals).
- EN60950 (IEC950)-compliant power supply.

### Order Information

Product Identifier: HearID+DP

### Contact Mimosa Acoustics

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