



DP 2000

DISTORTION PRODUCT

OTOACOUSTIC EMISSION

SYSTEM

Feature Summary

- Easy to use
- Pass/Refer criteria
- Ototoxic monitoring
- Use for difficult-to-evaluate individuals:
Language disorders, Behavioral disorders, Alzheimer's patients, Mentally challenged, Functional hearing loss
- Test newborns to adults
- Screen students for hearing loss
- Research



Specifications

Adjustable Parameters:

- Range: 500-16,000 Hz
- Number of test points per octave: 1-50
- Intensity: f1 level (0-70 dB) f2 level (0-70 dB)
- Minimum number of valid test points to pass a test
- Minimum DP level to pass
- Ratio: 1.1 to 1.8 F2/F1
- Minimum DP/NF level to pass
- Average time: 0.25 to 20 sec
- DP Definition Points: f2-f1; 2f2-f1; 2f1-f2; 3f1-2f2;
3f2-2f1; 4f1-3f2; 4f2-3f1

Artifact Rejection Criteria:

- Noise level for rejection
- Noise level above calibrated - noise floor for rejection

Stopping Rules Criteria:

- Noise Floor level accepting DP measurement
- Acceptable DP to Noise Floor ratio
- Maximum Signal Duration for a frequency point

Computer System Recommendations:

- IBM™ compatible computer having an available PCMCIA type II slot
- CD-ROM drive
- Windows 2000. XP Home or XP Professional Operating System
- 512 RAM
- Pentium class processor at least 1.3 GHz
- 10 GB hard drive

System Environmental Requirements:

- Operating temperature must be within the range of +59° F to +95° F or +15° C to +35° C
- Relative humidity must be within the range of 30 to 90%

Weight: Less than 6 oz. (without computer)

Ear Tips: 8 different disposable eartip sizes

Starkey Support Network

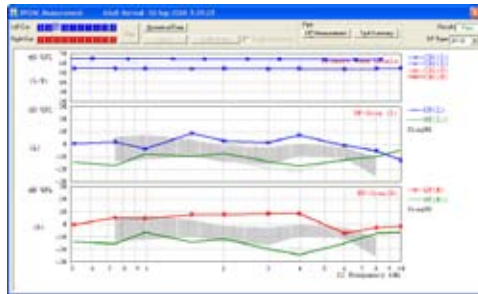
Software Upgradable

Easy-to-use Toolbar

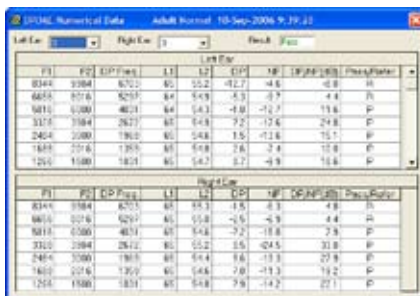


Just click once to enter patient data, change parameters, perform DPOAE, or print the data.

A Typical DPOAE in Graphical View



A Typical DPOAE in Numerical View



F1	F2	DPOAE	L1	L2	DP	Pass/Refer	
8344	3384	8702	85	55.2	-12.7	4.8	P
6854	3376	8297	84	54.9	-13.9	4.4	P
5815	3380	8623	84	54.3	-13.8	11.6	P
3375	3384	2637	85	54.8	-12.4	24.8	P
2484	3380	1868	85	54.8	-11.8	15.1	P
1688	3376	1395	85	54.8	-11.8	17.8	P
1255	1588	1831	85	54.7	-11.9	16.8	P

The examiner can save up to 10 curves per test session per patient. An easy-to-read PASS/REFER determination is calculated for each test.

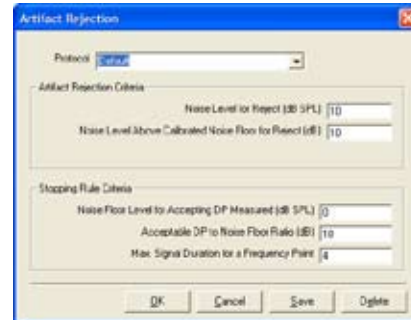
Patient Database



Last Name	First Name	Sex	Patient ID	Gender	Birth Date (Comments)
Johnson	William	M	1001	M	24-Feb-2004 (Child - eyes not yet registered for test)
Johnson	Oliver	M	1002	M	28-Feb-2004 (Child - eyes not yet registered for test)
Johnson	Anna	F	1003	F	11-Jul-2004 (Child - eyes not yet registered for test)
Johnson	John	M	1004	M	11-Jul-2004 (Child - eyes not yet registered for test)
Johnson	Christ	F	1005	F	26-Aug-2004 (Eyes not yet registered for test)
Johnson	Robert	M	1006	M	11-Jul-2004 (Child - eyes not yet registered for test)

The examiner can enter new patient information either immediately before the test, or as a batch, before anyone is tested.

Artifact Rejection



User definable criteria and stopping rule.

Parameter Window



The following parameters may be modified:

- Frequency range
- Stimulus intensity
- F2/F1 ratio
- DP definition
- DPs per octave
- Averaging time per frequency
- Pass/refer criteria

Special Features

- Retest a single test point
- Overlay multi-test sessions
- Normative data
- Compatible with OZ/Sims®, Access, High Screen Software, and many other databases
- Boystown reporting format option
- Parameter Window can be password protected

Technical specifications subject to change without notice.

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