



AccuScreen Introduction



Hearing Assessment

Fitting Systems

Balance Assessment

GNI Otometrics

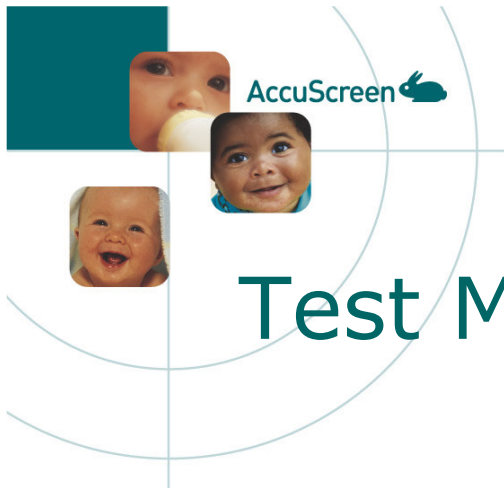
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Highlights

- Handheld screener - weighs only 600 grams (21 oz)
- Featuring both OAE and ABR
- Ultra lightweight probe
Statistical algorithms = low refer rates
- Rechargeable batteries each provide up to 10 hours of continuous use
- 2 version (LIGHT and PRO range)





Test Methods

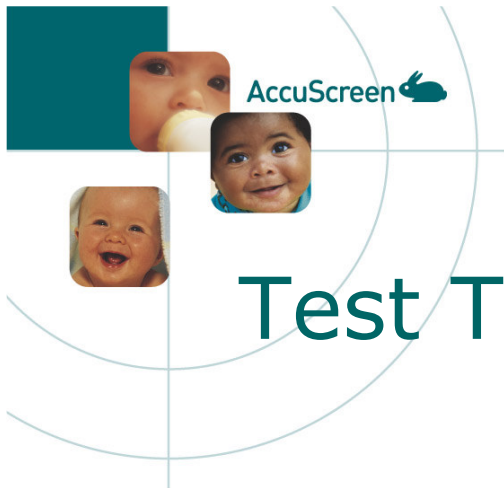
- Most flexible platform in the market (all in one device)
 - TEOAE
 - DPOAE screening
 - DPOAE diagnostic/multilevel
 - ABR
- All methods are based on well proven statistical evaluation methods





Test Methods (continued)

- Each test method can be combined as preferred
 - 7 different configurations (PRO range only)
- Sequential testing: OAE + ABR in same sequence
 - Select to test either OAE or ABR first or test ABR automatically after testing OAE (Benefit: probe is still in the same ear)



Test Times

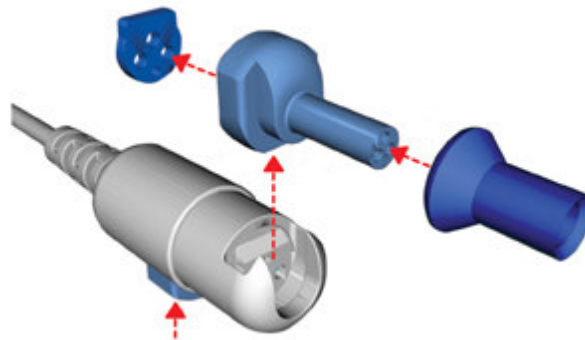
- Faster screening due to improved noise immunity
- Test times for normal hearing babies
 - TEOAE < 5 sec.
 - DPOAE screening < 10 sec. (excl. probe fit)
 - DPOAE diagnostic/multilevel < 20 sec. (excl. probe fit)
 - ABR – 1 minute





Ultra Lightweight Probe

- 2 different probes available
 - DP with 3 channels and TE with 2 channels
 - Weighs only 4 grams
- Easy disassembling for cleaning
incl. filter checking



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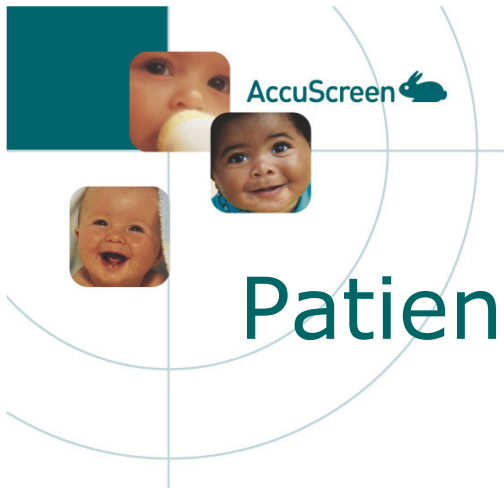
Other Features

- Memory
 - Up to 250 patients + data storage (e.g. test results)
- Patient Data Entry
 - Via PC or alpha numeric key pad
- Wireless data transfer
 - Wireless data upload/download (Infrared port) to PC
- User selectable languages
 - English, Italian, Spanish, French, German, Portuguese
 - Danish, Swedish, Finnish, Norwegian



Other Features (continued)

- “Hardware” features
 - Real time clock allows time stamp
 - Battery powered: operation time = 10 hrs, standby = 200 hrs
- Print-out
 - To label printer (via cable)
 - Via PC (cable or wireless)
- SW upgrade via serial port (PRO only)
- Patient tracking – interfaces with:
 - AccuLink
 - OZ, Hi-Track and Excel/Access



Patient Tracking

- AccuLink - Data management in AccuLink not AccuScreen
 - Entry of patient data
 - Patient ID, name, date of birth
 - Entry of comments about the patient + comments about the test result
 - Results stored
 - Test type, ear, test time, test date, result
 - Results displayed graphically
 - Only patients not tested should be in the database
 - Filing system
 - Patients from list can be marked for download to AccuScreen



AccuLink software user interface

AccuLink

File Edit Settings Help

AccuScreen

Patient ID	Last Name	First Name	DOB	TEOAE L	TEOAE R	ABR L	ABR R	DPOAE L	DPOAE R	D	Test Type	Ear	Test Date	Test Time	Result	Examiner ID
0001	In primus	primus	01-01-1910	PS	PS	-	-	PS	PS		TEOAE	Left	06-11-2003	12:18:20	Pass	
0002	In secundus	secundus	02-02-1920	RF	RF	-	-	-	-		TEOAE	Right	06-11-2003	12:18:35	Pass	
0003	In tertius	tertius	03-03-1930	-	-	-	-	RF	RF		DPOAE	Right	06-11-2003	12:19:10	Pass	
0004	In quartus	quartus	04-04-1940	-	-	PS	PS	-	-		DPOAE	Left	06-11-2003	12:19:42	Pass	
0005	In quintus	quintus	05-05-1950	PS	PS	PS	PS	PS	PS	X						
0006	In sextus	sextus	06-06-1960	RF	RF	RF	RF	-	-	X						
0007	In septimus	septimus	07-07-1970	-	-	-	-	RF	-							
0008	In octavus	octavus	08-08-1980	-	-	-	-	-	-							
0009	In nonus	nonus	09-09-1990	-	-	-	-	-	-							
0010	In decimus	decimus	10-10-2000	-	-	-	-	-	-							

primus, primus
 DOB: 01-01-1910 Patient ID: 0001
 Examiner:
TEOAE - Pass

Left Ear: 06-11-2003 12:18:20
 Test Time:
 Peaks:
 A: 0,00% S: 100,00%

Patient Information (only available on PC)

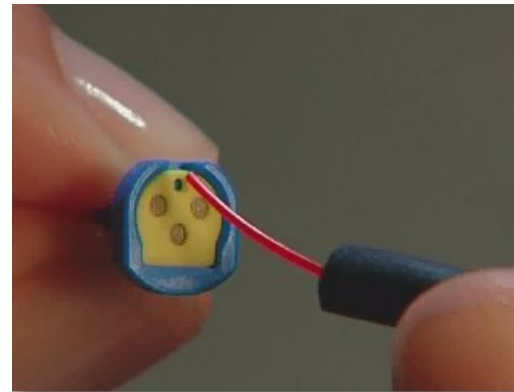
Result Code:
 PS - Pass
 RF - Refer
 - - Stopped/Cancel

demonstration.ASD | Unchanged | No Hardware found | 0 / 10 | 1.29 | COM1 | 25 | 115200 | File only | (c) fischer-zoth GmbH (2002 - 2006)



Accessories

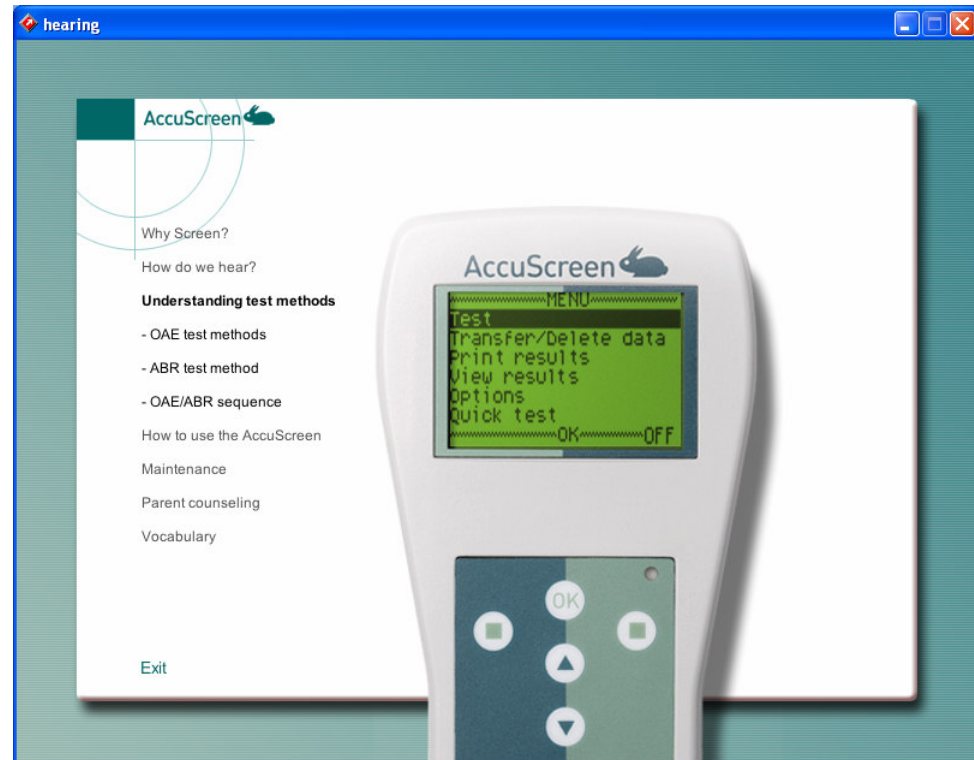
- Wide range of ear tips
- Ear couplers for ABR
- Cleaning wire
- Disposable electrodes
- Electrode cables + wipe
- Label printer
- Carrying case
- Charger and battery
- Infrared receiver





Training CD-ROM

- Why screen?
- How do we hear?
- Understand test methods
- How to use the AccuScreen
- Maintenance
- Parent counseling
- Vocabulary





Price/Value

- Competitive pricing, but also other aspects should be considered
 - Ease of use → lower error rates
 - Ease of use → all user groups can make a test
 - Ease of use → lower training costs
 - Low refer rates → users trust product, feel comfortable with results
 - Fast reliable tests → users and parents feel comfortable
 - Fast reliable tests → reduction of labour costs



AccuScreen – Wrap Up

- Extremely flexible and easy-to-use product
 - Modular platform
 - 2 versions
 - Unique easy-to-clean probe
- Precise technology – well known algorithms
 - Specificity in combined OAE/ABR > 99%
 - Sensitivity 100% clinically
- Attractive price/performance ratio



Any Questions?



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