

Welcome to the next in **Hearing Review Products'** ongoing series of **Technology**

**Guides.** This issue we're bringing you another extensive side-by-side matrix showcasing a variety of Otoacoustic Emission (OAE) and Auditory Brainstem Response (ABR) screening devices from the industry's leading manufacturers. We've gathered 13 instruments from six makers—all of them available on the following pages as well as via a downloadable PDF file at [www.hearingreview.com](http://www.hearingreview.com) where you can also find PDFs for all of our past Technology Guides.




—Will Campbell

# OAE/ABR Screening Devices

Company Name:	<b>Grason-Stadler</b>	
Address:	7625 Golden Triangle Dr, Suite F Eden Prairie, MN 55344 (800) 700-2282 <a href="http://www.grason-stadler.com">www.grason-stadler.com</a>	
1) What is the name of your screening device and what year was it introduced?	GSI 70 (1999)	AUDIOScreener+ (2006)
2) Describe this screening device's intended use and, if applicable, for what age range is it indicated?	DPOAE screening device intended for use in newborn hearing screening programs. Age range: infant – pediatric	Comprehensive handheld screening device with TEOAE, DPOAE, and ABR capabilities. Utilized for recommended two-stage screening protocols. Age range: infant – adult
3) What are the dimensions of this screening device (L x W x H)?	Unit: 9.3" x 3.8" x 2.9"; OAE Pod/Probe: 4.2" x 1.9" x 1.2"	7.75" x 4" x 1.77"
4) How much does this screening device weigh?	1.5 pounds	1.26 pounds
5) What powers this screening device?	<input checked="" type="checkbox"/> AC <input type="checkbox"/> Replaceable Batteries <input checked="" type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other	<input checked="" type="checkbox"/> AC <input type="checkbox"/> Replaceable Batteries <input checked="" type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other
6) Please indicate the features of this screening device's display:	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop <input type="checkbox"/> Screen Size <input checked="" type="checkbox"/> Backlight <input type="checkbox"/> Other	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop <input type="checkbox"/> Screen Size <input checked="" type="checkbox"/> Backlight <input type="checkbox"/> Other
7) Please indicate the type of connectors available with this screening device:	<input type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input checked="" type="checkbox"/> Serial	<input type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input type="checkbox"/> Serial
8) Please indicate the following technical specifications of this screening device:	<input checked="" type="checkbox"/> DPOAE Frequency Range: 1.5 - 6kHz <input type="checkbox"/> TEOAE Frequency Range <input checked="" type="checkbox"/> DPOAE Stimulus Intensity: 45 - 70dB SPL <input type="checkbox"/> TEOAE Stimulus Intensity <input checked="" type="checkbox"/> Maximum Output: 70dB SPL	<input checked="" type="checkbox"/> DPOAE Frequency Range: 2 - 6kHz <input checked="" type="checkbox"/> TEOAE Frequency Range: 2 - 4kHz <input checked="" type="checkbox"/> DPOAE Stimulus Intensity: 55 - 70dB SPL <input checked="" type="checkbox"/> TEOAE Stimulus Intensity: 84dB SPL <input checked="" type="checkbox"/> Maximum Output: 100 nHL
9) What printing options are available with this screening device?	<input checked="" type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input checked="" type="checkbox"/> Wireless Printing Capability <input type="checkbox"/> Other	<input type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input checked="" type="checkbox"/> Wireless Printing Capability <input type="checkbox"/> Other
10) What is the test memory/patient record memory of this screening device?	350 Tests/150 Patients	300 Patients
11) What features are available with this screening device?	<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input checked="" type="checkbox"/> Alphanumeric Keypad <input type="checkbox"/> PC Interface <input type="checkbox"/> XML Export <input checked="" type="checkbox"/> Other: Data Storage (Optional) <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input checked="" type="checkbox"/> Alphanumeric Keypad <input type="checkbox"/> PC Interface <input type="checkbox"/> XML Export <input checked="" type="checkbox"/> Other: Data Storage (Optional) <input type="checkbox"/> Other
12) What tests are available with this screening device?	<input type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input type="checkbox"/> ABR <input type="checkbox"/> EcochG	<input checked="" type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input checked="" type="checkbox"/> ABR <input type="checkbox"/> EcochG
13) What interfaces are available?	<input checked="" type="checkbox"/> OZ <input type="checkbox"/> HI TRACK	<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK
14) What standard accessories are included with this screening device?	Probe; Charging Base; Initial Supply of Probe Tips	Probe; Electrode Leads; Initial Supply of Probe Tips and Electrodes
15) What optional accessories are available?	Cart; On-board Printer	Not Applicable
16) What is the warranty length for this screening device?	1 Year	1 Year
17) What sets this screening device apart?	The only screening unit available that will enable a 364/ octave shift if it detects excessive noise and automatically implement a retest.	The only screening unit that shows the ABR waveform in real time and allows for manual marking of Wave V.






Company Name:	<b>Grason-Stadler</b>	<b>Intelligent Hearing Systems</b>	<b>Interacoustics</b>
Address:	7625 Golden Triangle Dr, Suite F Eden Prairie, MN 55344 (800) 700-2282 www.grason-stadler.com	6860 SW 81 St Miami, FL 33143 (800) 447-9783 www.ihsys.com	7625 Golden Triangle Dr, Unit F Eden Prairie, MN 55344 (800) 947-6334 www.interacoustics-us.com
1) What is the name of your screening device and what year was it introduced?	Audera (2003)	SmartScreener-Plus 2 (2009)	OtoRead (2003)
2) Describe this screening device's intended use and, if applicable, for what age range is it indicated?	For use with DPOAE screening and DPOAE and AEP diagnostic evaluations. Age range: infant – adult	For use in the recording and automated analysis of ABR and/or OAE. Age range: infant – adult	For use in OAE screenings. Age range: infant - adult
3) What are the dimensions of this screening device (L x W x H)?	OAE Pod/Probe: 4.2" x 1.9" x 1.2"	25" x 19" x 63"	7" x 3" x 1.5"
4) How much does this screening device weigh?	0.44 pounds	150 pounds (with screener cart)	10.6 ounces
5) What powers this screening device?	<input checked="" type="checkbox"/> AC <input type="checkbox"/> Replaceable Batteries <input checked="" type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other	<input type="checkbox"/> AC <input type="checkbox"/> Replaceable Batteries <input type="checkbox"/> Internal Rechargeable Battery <input checked="" type="checkbox"/> Other: Rechargeable Notebook PC Battery	<input type="checkbox"/> AC <input checked="" type="checkbox"/> Replaceable Batteries: AA <input type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other
6) Please indicate the features of this screening device's display:	<input checked="" type="checkbox"/> Color <input type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop <input checked="" type="checkbox"/> Screen Size: Computer monitor <input type="checkbox"/> Backlight <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Color <input type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop <input checked="" type="checkbox"/> Screen Size: 17" <input checked="" type="checkbox"/> Backlight <input type="checkbox"/> Other	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop: Optional <input checked="" type="checkbox"/> Screen Size: 4-Line Display <input type="checkbox"/> Backlight <input type="checkbox"/> Other
7) Please indicate the type of connectors available with this screening device:	<input checked="" type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input type="checkbox"/> Serial <input type="checkbox"/> IR <input type="checkbox"/> Bluetooth <input type="checkbox"/> Other	<input checked="" type="checkbox"/> USB <input checked="" type="checkbox"/> Standard Phone <input checked="" type="checkbox"/> Ethernet <input checked="" type="checkbox"/> Serial <input type="checkbox"/> IR <input type="checkbox"/> Bluetooth <input type="checkbox"/> Other	<input checked="" type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input checked="" type="checkbox"/> Serial <input type="checkbox"/> IR <input type="checkbox"/> Bluetooth <input type="checkbox"/> Other
8) Please indicate the following technical specifications of this screening device:	<input checked="" type="checkbox"/> DPOAE Frequency Range: 0.5 - 12kHz <input type="checkbox"/> TEOAE Frequency Range <input checked="" type="checkbox"/> DPOAE Stimulus Intensity: 20 - 80dB SPL <input type="checkbox"/> TEOAE Stimulus Intensity <input checked="" type="checkbox"/> Maximum Output: 85dB SPL	<input checked="" type="checkbox"/> DPOAE Frequency Range: 0.5 - 8kHz <input checked="" type="checkbox"/> TEOAE Frequency Range: 1 - 4kHz <input checked="" type="checkbox"/> DPOAE Stimulus Intensity: 55 - 65dB SPL <input checked="" type="checkbox"/> TEOAE Stimulus Intensity: 85dB SPL <input checked="" type="checkbox"/> Maximum Output: 85dB SPL	<input checked="" type="checkbox"/> DPOAE Frequency Range: 1.5 - 6kHz <input checked="" type="checkbox"/> TEOAE Frequency Range: 0.7 - 4kHz <input checked="" type="checkbox"/> DPOAE Stimulus Intensity: 40 - 70dB SPL <input checked="" type="checkbox"/> TEOAE Stimulus Intensity: 83dB SPL <input checked="" type="checkbox"/> Maximum Output: 90dB SPL
9) What printing options are available with this screening device?	<input type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input type="checkbox"/> Wireless Printing Capability <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input checked="" type="checkbox"/> Wireless Printing Capability <input type="checkbox"/> Other	<input type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input type="checkbox"/> Wireless Printing Capability <input checked="" type="checkbox"/> Other: Optional PC Printout
10) What is the test memory/patient record memory of this screening device?	4Gb Database	> 15,000 Patients	300 Tests
11) What features are available with this screening device?	<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input checked="" type="checkbox"/> User-Selectable Languages <input type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input checked="" type="checkbox"/> Alphanumeric Keypad <input type="checkbox"/> PC Interface <input type="checkbox"/> XML Export <input type="checkbox"/> Other <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input checked="" type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input checked="" type="checkbox"/> Alphanumeric Keypad <input checked="" type="checkbox"/> PC Interface <input type="checkbox"/> XML Export <input type="checkbox"/> Other <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input checked="" type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input type="checkbox"/> Alphanumeric Keypad <input checked="" type="checkbox"/> PC Interface <input checked="" type="checkbox"/> XML Export <input type="checkbox"/> Other <input type="checkbox"/> Other
12) What tests are available with this screening device?	<input type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input checked="" type="checkbox"/> ABR <input checked="" type="checkbox"/> EcochG <input checked="" type="checkbox"/> ASSR <input checked="" type="checkbox"/> Other: ALMR <input checked="" type="checkbox"/> Other: ALR	<input checked="" type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input checked="" type="checkbox"/> ABR <input type="checkbox"/> EcochG <input checked="" type="checkbox"/> ASSR <input type="checkbox"/> Other <input type="checkbox"/> Other	<input checked="" type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input type="checkbox"/> ABR <input type="checkbox"/> EcochG <input type="checkbox"/> ASSR <input type="checkbox"/> Other <input type="checkbox"/> Other
13) What interfaces are available?	<input type="checkbox"/> OZ <input type="checkbox"/> HI TRACK <input checked="" type="checkbox"/> Other: Audera SQL Database <input type="checkbox"/> Other	<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK <input checked="" type="checkbox"/> Other: Soundata <input type="checkbox"/> Other	<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK <input type="checkbox"/> Other <input type="checkbox"/> Other
14) What standard accessories are included with this screening device?	Probe; Electrode Leads; Amplifier (if needed); Initial Supply of Probe Tips and Electrodes	Insert Earphones, Snap Lead Cable, Laser Printer, Isolation Transformer, OAE Probe, Notebook Computer	Eartip Kit, Carrying Case, Printer, and PC Connection Cables
15) What optional accessories are available?	Computer; Cart	EarHug Adaptor with Tubing; Angled Adaptor with Tubing; EarHug Case; Insert Case	Software Database Program
16) What is the warranty length for this screening device?	1 Year	1 Year (extended warranty available)	1 Year
17) What sets this screening device apart?	The only DP system to test out to 12,000Hz.	Offers the choice of ABR and/or OAE screening. Top of the line ergonomic screener cart. Upgradeable to include diagnostic ABR, ASSR, and OAE on same device. Data upload capability to secure FTP sites. Built-in System Maintenance Test with Data Analysis module. Free Web auto software updates. Customizable reports and built-in documents and videos module.	Available in three configurations. The ability to run tests by skipping the cal mode is valuable when test ears have perforations or seals are difficult to obtain. The interface to OtoAccess database allows 8.5" x 11" report printing and keeps other test data in one accessible location.

Company Name:	<b>Maico Diagnostics</b> 7625 Golden Triangle Dr Eden Prairie, MN 55344 (888) 941-4201 www.maico-diagnostics.com		<b>Otodynamics Ltd</b> 30-38 Beaconsfield Rd Hatfield, Herts, UK AL10 8BB (800) 659-7776 www.otodynamics.com
Address:			
1) What is the name of your screening device and what year was it introduced?	EroScan Pro (2009) 	EroScan Classic (1989) 	Otocheck TE or D (2007) 
2) Describe this screening device's intended use and, if applicable, for what age range is it indicated?	DPOAE/TEOAE/TYMP screening device. Age range: infant – adult	DPOAE/TEOAE screening device. Age range: infant – adult	Infant or Pediatric, and Adult OAE screening device. Age range: infant – adult
3) What are the dimensions of this screening device (L x W x H)?	8" x 1" x 3"	8" x 1" x 3"	7.67" x 2.75" x 1.18"
4) How much does this screening device weigh?	1 pound	1 pound	8.8 ounces
5) What powers this screening device?	<input type="checkbox"/> AC <input checked="" type="checkbox"/> Replaceable Batteries: AAA <input type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other	<input type="checkbox"/> AC <input checked="" type="checkbox"/> Replaceable Batteries: AAA <input type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other	<input type="checkbox"/> AC <input type="checkbox"/> Replaceable Batteries <input checked="" type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other
6) Please indicate the features of this screening device's display:	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome-Green/Yellow <input type="checkbox"/> External PC Monitor/Laptop <input checked="" type="checkbox"/> Screen Size: 1" x 1.5" <input checked="" type="checkbox"/> Backlight <input type="checkbox"/> Other	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome-Black/White <input type="checkbox"/> External PC Monitor/Laptop <input checked="" type="checkbox"/> Screen Size: 1" x 1.5" <input type="checkbox"/> Backlight <input type="checkbox"/> Other	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop-Otolink <input checked="" type="checkbox"/> Screen Size: 1.88" x 1.18" <input checked="" type="checkbox"/> Backlight <input checked="" type="checkbox"/> Other: Lighted keypad
7) Please indicate the type of connectors available with this screening device:	<input checked="" type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input type="checkbox"/> Serial <input type="checkbox"/> IR <input type="checkbox"/> Bluetooth <input type="checkbox"/> Other	<input type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input type="checkbox"/> Serial <input type="checkbox"/> IR <input type="checkbox"/> Bluetooth <input checked="" type="checkbox"/> Other: RS232	<input checked="" type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input type="checkbox"/> Serial <input type="checkbox"/> IR <input checked="" type="checkbox"/> Bluetooth <input type="checkbox"/> Other
8) Please indicate the following technical specifications of this screening device:	<input checked="" type="checkbox"/> DPOAE Frequency Range: Screener 2 - 5kHz; Diagnostic 1.5 - 12kHz <input checked="" type="checkbox"/> TEOAE Frequency Range: Screener 1.5 - 4kHz; Diagnostic 0.7 - 4kHz <input checked="" type="checkbox"/> DPOAE Stimulus Intensity: 40 - 70dB SPL <input checked="" type="checkbox"/> TEOAE Stimulus Intensity: Adjustable to 83dB SPL <input checked="" type="checkbox"/> Maximum Output: DPOAE, 70dB SPL; TEOAE, 83dB SPL	<input checked="" type="checkbox"/> DPOAE Frequency Range: Screener 2 - 5kHz; Diagnostic 1.5 - 12kHz <input checked="" type="checkbox"/> TEOAE Frequency Range: Screener 1.5 - 4kHz; Diagnostic 0.7 - 4kHz <input checked="" type="checkbox"/> DPOAE Stimulus Intensity: 40 - 70dB SPL <input checked="" type="checkbox"/> TEOAE Stimulus Intensity: 83dB SPL <input checked="" type="checkbox"/> Maximum Output: 70dB	<input checked="" type="checkbox"/> DPOAE Frequency Range: 2 - 6kHz <input checked="" type="checkbox"/> TEOAE Frequency Range: 0.8 - 4kHz <input type="checkbox"/> DPOAE Stimulus Intensity <input checked="" type="checkbox"/> TEOAE Stimulus Intensity: 84dB SPL <input checked="" type="checkbox"/> Maximum Output: 90dB SPL
9) What printing options are available with this screening device?	<input type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input type="checkbox"/> Wireless Printing Capability <input checked="" type="checkbox"/> Other: Via USB computer connection	<input type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input type="checkbox"/> Wireless Printing Capability <input type="checkbox"/> Other	<input type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input type="checkbox"/> Wireless Printing Capability <input type="checkbox"/> Other
10) What is the test memory/patient record memory of this screening device?	350 Tests	50 Tests	500 Tests
11) What features are available with this screening device?	<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input checked="" type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input type="checkbox"/> Alphanumeric Keypad <input checked="" type="checkbox"/> PC Interface <input type="checkbox"/> XML Export <input type="checkbox"/> Other <input type="checkbox"/> Other	<input type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input checked="" type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input type="checkbox"/> Alphanumeric Keypad <input checked="" type="checkbox"/> PC Interface <input type="checkbox"/> XML Export <input type="checkbox"/> Other <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input checked="" type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input checked="" type="checkbox"/> Alphanumeric Keypad <input checked="" type="checkbox"/> PC Interface <input checked="" type="checkbox"/> XML Export <input checked="" type="checkbox"/> Other: Import Worklist <input checked="" type="checkbox"/> Other: Win7 Ready
12) What tests are available with this screening device?	<input checked="" type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input type="checkbox"/> ABR <input type="checkbox"/> EcochG <input type="checkbox"/> ASSR <input type="checkbox"/> Other <input checked="" type="checkbox"/> Other: TYMP	<input checked="" type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input type="checkbox"/> ABR <input type="checkbox"/> EcochG <input type="checkbox"/> ASSR <input type="checkbox"/> Other <input type="checkbox"/> Other	<input checked="" type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input type="checkbox"/> ABR <input type="checkbox"/> EcochG <input type="checkbox"/> ASSR <input type="checkbox"/> Other <input type="checkbox"/> Other
13) What interfaces are available?	<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK <input type="checkbox"/> Other <input type="checkbox"/> Other	<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK <input type="checkbox"/> Other <input type="checkbox"/> Other	<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK <input checked="" type="checkbox"/> Other: PDF <input checked="" type="checkbox"/> Other: XML or ASCII
14) What standard accessories are included with this screening device?	Internal, External OAE Probe; Factory Default Protocols; Programming, Printing Software.	Internal, External OAE Probe; Printer.	Probe Tip Sampler; Carrying Case; Portable PSU or Charging Cradle; PC Link Cable, Otolink PC Software.
15) What optional accessories are available?	External Tympanometry Probe; Thermal Printer; Carrying Case; Patient Database.	Database Software; Carrying Case.	Barcode Scanner; RFID Card Scanner; Advanced PC Docking Station; Battery-Operated Bluetooth Printer.
16) What is the warranty length for this screening device?	1 Year	1 Year	2 Years
17) What sets this screening device apart?	A new platform, DPOAE, TEOAE, and tympanometry tests are performed from a single probe, permitting screening or a full test battery with the press of only one button. Two new Quick-Print formats available: to PC printer and to PDF.	Designed for ease of use by audiologists, pediatricians, ENT, and primary-care physicians; school health, occupational health, and birth-to-3 personnel; as well as allied health professionals in medical offices, hospitals, and outpatient clinics.	The first totally new OAE design in nearly a decade. This infant/pediatric OAE screener embodies all the speed, ease-of-use, and reliability you expect in 2010. Special features include Bluetooth printing and advanced IT options such as Barcode and RFID Card scanning for fast data entry.

Company Name:  
Address:

## Otodynamics Ltd

30-38 Beaconsfield Rd  
Hatfield, Herts, UK AL10 8BB  
(800) 659-7776  
www.otodynamics.com

1) What is the name of your screening device and what year was it introduced?	Otoport DP+TE (2007)		Otoport Advance (2007)		ILO288 Echoport USB 1 or 2 (2002)	
2) Describe this screening device's intended use and, if applicable, for what age range is it indicated?	Basic clinical OAE screening device. Age range: infant – adult		Advanced clinical OAE screening device. Age range: infant – adult		Basic clinical OAE screening device. Age range: infant – adult	
3) What are the dimensions of this screening device (L x W x H)?	7.67" x 2.75" x 1.18"		7.67" x 2.75" x 1.18"		11.75" x 8.25" x 0.75"	
4) How much does this screening device weigh?	8.8 ounces		8.8 ounces		2.3 pounds	
5) What powers this screening device?	<input type="checkbox"/> AC <input type="checkbox"/> Replaceable Batteries <input checked="" type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other		<input type="checkbox"/> AC <input type="checkbox"/> Replaceable Batteries <input checked="" type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other		<input type="checkbox"/> AC <input type="checkbox"/> Replaceable Batteries <input type="checkbox"/> Internal Rechargeable Battery <input checked="" type="checkbox"/> Other: USB	
6) Please indicate the features of this screening device's display:	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop <input checked="" type="checkbox"/> Screen Size: 1.88" x 1.18" <input checked="" type="checkbox"/> Backlight <input checked="" type="checkbox"/> Other: Lighted keypad		<input type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop <input checked="" type="checkbox"/> Screen Size: 1.88" x 1.18" <input checked="" type="checkbox"/> Backlight <input checked="" type="checkbox"/> Other: Lighted keypad		<input type="checkbox"/> Color <input type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop <input checked="" type="checkbox"/> Screen Size: LCD <input checked="" type="checkbox"/> Backlight <input checked="" type="checkbox"/> Other: PC Keyboard	
7) Please indicate the type of connectors available with this screening device:	<input checked="" type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input type="checkbox"/> Serial <input type="checkbox"/> IR <input checked="" type="checkbox"/> Bluetooth <input type="checkbox"/> Other		<input checked="" type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input type="checkbox"/> Serial <input type="checkbox"/> IR <input checked="" type="checkbox"/> Bluetooth <input type="checkbox"/> Other		<input checked="" type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input type="checkbox"/> Serial <input type="checkbox"/> IR <input type="checkbox"/> Bluetooth <input type="checkbox"/> Other	
8) Please indicate the following technical specifications of this screening device:	<input checked="" type="checkbox"/> DPOAE Frequency Range: 1 - 8kHz <input checked="" type="checkbox"/> TEOAE Frequency Range: 0.8 - 4kHz <input checked="" type="checkbox"/> DPOAE Stimulus Intensity: 50 - 70dB SPL <input checked="" type="checkbox"/> TEOAE Stimulus Intensity: 84dB SPL <input checked="" type="checkbox"/> Maximum Output: 90dB SPL		<input checked="" type="checkbox"/> DPOAE Frequency Range: 1 - 8kHz <input checked="" type="checkbox"/> TEOAE Frequency Range: 0.8 - 6kHz <input checked="" type="checkbox"/> DPOAE Stimulus Intensity: 50 - 75dB SPL <input checked="" type="checkbox"/> TEOAE Stimulus Intensity: 70 - 90dB SPL <input checked="" type="checkbox"/> Maximum Output: 90dB SPL		<input checked="" type="checkbox"/> DPOAE Frequency Range: 1 - 8kHz <input checked="" type="checkbox"/> TEOAE Frequency Range: 0.8 - 4kHz <input type="checkbox"/> DPOAE Stimulus Intensity <input checked="" type="checkbox"/> TEOAE Stimulus Intensity: 84dB SPL <input checked="" type="checkbox"/> Maximum Output: 90dB SPL	
9) What printing options are available with this screening device?	<input type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input checked="" type="checkbox"/> Wireless Printing Capability <input type="checkbox"/> Other		<input type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input checked="" type="checkbox"/> Wireless Printing Capability <input type="checkbox"/> Other		<input type="checkbox"/> Built-in Printer <input type="checkbox"/> Separate Printer <input type="checkbox"/> Wireless Printing Capability <input checked="" type="checkbox"/> Other: PC Printer	
10) What is the test memory/patient record memory of this screening device?	1,000 Tests		3,000 Tests		Unlimited	
11) What features are available with this screening device?	<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input checked="" type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input checked="" type="checkbox"/> Alphanumeric Keypad <input checked="" type="checkbox"/> PC Interface <input checked="" type="checkbox"/> XML Export <input checked="" type="checkbox"/> Other: Import Worklist <input checked="" type="checkbox"/> Other: Win7 Ready		<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input checked="" type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input checked="" type="checkbox"/> Alphanumeric Keypad <input checked="" type="checkbox"/> PC Interface <input checked="" type="checkbox"/> XML Export <input checked="" type="checkbox"/> Other: Import Worklist <input checked="" type="checkbox"/> Other: Win7 Ready		<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input checked="" type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input checked="" type="checkbox"/> Alphanumeric Keypad <input checked="" type="checkbox"/> PC Interface <input checked="" type="checkbox"/> XML Export <input checked="" type="checkbox"/> Other: Import Worklist <input checked="" type="checkbox"/> Other: Win7 Ready	
12) What tests are available with this screening device?	<input checked="" type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input type="checkbox"/> ABR <input type="checkbox"/> EcochG <input type="checkbox"/> ASSR <input type="checkbox"/> Other		<input checked="" type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input type="checkbox"/> ABR <input type="checkbox"/> EcochG <input type="checkbox"/> ASSR <input checked="" type="checkbox"/> Other: I/O growth <input checked="" type="checkbox"/> Other: Hi-Res DPOAEs		<input checked="" type="checkbox"/> TBOAE <input checked="" type="checkbox"/> DPOAE <input type="checkbox"/> ABR <input type="checkbox"/> EcochG <input type="checkbox"/> ASSR <input type="checkbox"/> Other	
13) What interfaces are available?	<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK <input checked="" type="checkbox"/> Other: PDF <input checked="" type="checkbox"/> Other: XML or ASCII		<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK <input checked="" type="checkbox"/> Other: PDF <input checked="" type="checkbox"/> Other: XML or ASCII		<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK <input checked="" type="checkbox"/> Other: PDF <input checked="" type="checkbox"/> Other: XML or ASCII	
14) What standard accessories are included with this screening device?	Probe Tip Sampler; Carrying Case; Portable PSU or Charging Cradle; PC Link Cable; Otolink PC Software.		Probe Tip Sampler; Carrying Case; Portable PSU; PC Docking Station; PC Link Cable; Otolink, ILOV6, and EZ-Screen PC Software.		Probe Tip Sample; Carrying Case; PC USB Link Cable; EZ-Screen PC Database software.	
15) What optional accessories are available?	Barcode Scanner; RFID Card Scanner; Advanced PC Docking Station; Battery-Operated Bluetooth Printer; EZ-Screen Software; Version 6 Clinical Software.		Barcode Scanner; RFID Card Scanner; Battery-Operated Bluetooth Printer.		Version 6 Clinical Software.	
16) What is the warranty length for this screening device?	2 Years		2 Years		3 Years	
17) What sets this screening device apart?	For those users who need both DPOAE and TEOAE OAE screening in the same device, the Otoport DP+TE offers both modalities, increased data storage (1,000 tests), and Bluetooth printing for an extremely affordable price. Add EZ-Screen or Version 6 Clinical software and you have a basic clinical unit for follow-up.		State-of-the-art handheld OAE system that can screen infants quickly, and track changes due to ototoxicity or noise damage in children or adults. Offers advanced features found on no other handheld OAE system.		Developed with more than 20 years' expertise from the discoverer of OAEs, the ILO288 Echoport offers unparalleled performance, data tracking, and reliability backed by an industry-leading 3-year warranty. Available in TE only or TE/DPOAE versions.	



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## hrp technology guide

Company Name:	<b>Otodynamics Ltd</b>	<b>Vivosonic Inc</b>
Address:	30-38 Beaconsfield Rd Hatfield, Herts, UK AL10 8BB (800) 659-7776 <a href="http://www.otodynamics.com">www.otodynamics.com</a>	5525 Eglinton Ave W, Unit 120 Toronto, Ontario M9C 5K5, Canada (877) 255-7685 <a href="http://www.vivosonic.com">www.vivosonic.com</a>
1) What is the name of your screening device and what year was it introduced?	Otoport Screener (2007)	Aurix (2010)
2) Describe this screening device's intended use and, if applicable, for what age range is it indicated?	OAE screening device. Age range: infant	This newborn hearing screening system identifies potential hearing loss by detecting the presence or absence of an auditory brainstem response. Age range: 34 weeks – 6 months
3) What are the dimensions of this screening device (L x W x H)?	7.67" x 2.75" x 1.18"	7.5" x 3.5" x 1.25"
4) How much does this screening device weigh?	8.8 ounces	14 ounces
5) What powers this screening device?	<input type="checkbox"/> AC <input type="checkbox"/> Replaceable Batteries <input checked="" type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other	<input type="checkbox"/> AC <input type="checkbox"/> Replaceable Batteries <input checked="" type="checkbox"/> Internal Rechargeable Battery <input type="checkbox"/> Other
6) Please indicate the features of this screening device's display:	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop <input checked="" type="checkbox"/> Screen Size: 1.88" x 1.18" <input checked="" type="checkbox"/> Backlight <input checked="" type="checkbox"/> Other: Lighted keypad	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Monochrome <input checked="" type="checkbox"/> External PC Monitor/Laptop <input checked="" type="checkbox"/> Screen Size: 1.25" x 2.25" <input checked="" type="checkbox"/> Backlight <input checked="" type="checkbox"/> Other: Optional Touchscreen (laptop)
7) Please indicate the type of connectors available with this screening device:	<input checked="" type="checkbox"/> USB <input type="checkbox"/> Standard Phone <input type="checkbox"/> Ethernet <input type="checkbox"/> Serial	<input type="checkbox"/> IR <input checked="" type="checkbox"/> Bluetooth <input type="checkbox"/> Other
8) Please indicate the following technical specifications of this screening device:	<input type="checkbox"/> DPOAE Frequency Range <input checked="" type="checkbox"/> TEOAE Frequency Range: 0.8 - 4kHz <input type="checkbox"/> DPOAE Stimulus Intensity <input checked="" type="checkbox"/> TEOAE Stimulus Intensity: 84dB SPL <input checked="" type="checkbox"/> Maximum Output: 90dB SPL	<input type="checkbox"/> DPOAE Frequency Range <input type="checkbox"/> TEOAE Frequency Range <input type="checkbox"/> DPOAE Stimulus Intensity <input type="checkbox"/> TEOAE Stimulus Intensity <input checked="" type="checkbox"/> Maximum Output: 30 - 35dB nHL
9) What printing options are available with this screening device?	<input type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input type="checkbox"/> Wireless Printing Capability <input type="checkbox"/> Other	<input type="checkbox"/> Built-in Printer <input checked="" type="checkbox"/> Separate Printer <input type="checkbox"/> Wireless Printing Capability <input type="checkbox"/> Other
10) What is the test memory/patient record memory of this screening device?	3,000 Tests	Virtually Unlimited (laptop dependent)
11) What features are available with this screening device?	<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input checked="" type="checkbox"/> Lightweight Probe <input checked="" type="checkbox"/> User-Selectable Languages <input checked="" type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input checked="" type="checkbox"/> Alphanumeric Keypad <input checked="" type="checkbox"/> PC Interface <input checked="" type="checkbox"/> XML Export <input type="checkbox"/> Other: Import Worklist <input checked="" type="checkbox"/> Other: Win7 Ready	<input checked="" type="checkbox"/> Automated Test Sequence <input checked="" type="checkbox"/> Pass/Refer Indication <input type="checkbox"/> Lightweight Probe <input type="checkbox"/> User-Selectable Languages <input type="checkbox"/> Auto Shut-Off <input checked="" type="checkbox"/> Time/Date Stamp <input checked="" type="checkbox"/> Alphanumeric Keypad <input checked="" type="checkbox"/> PC Interface <input checked="" type="checkbox"/> XML Export <input type="checkbox"/> Other: Auto Power-Saving <input checked="" type="checkbox"/> Other: Kalman Weighted Averaging
12) What tests are available with this screening device?	<input checked="" type="checkbox"/> TBOAE <input type="checkbox"/> DPOAE <input type="checkbox"/> ABR <input type="checkbox"/> EcochG	<input type="checkbox"/> TBOAE <input type="checkbox"/> DPOAE <input checked="" type="checkbox"/> ABR <input type="checkbox"/> EcochG
13) What interfaces are available?	<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK	<input checked="" type="checkbox"/> OZ <input checked="" type="checkbox"/> HI TRACK
14) What standard accessories are included with this screening device?	Probe Tip Sampler; Carrying Case; Portable PSU or Charging Cradle; PC Link Cable; Otolink PC software.	Laptop, Aurix Link (wireless interface module) with Amplifier and Electrode Components; Sound Stimulator; Plug-In Battery Charger; Starter Kit of Disposable Ear Domes and Electrodes.
15) What optional accessories are available?	Barcode Scanner; RFID Card Scanner; Advanced PC Docking Station; Battery-Operated Bluetooth Printer.	Label Printer; Device Cart with Accessories; Power Bar; Touchscreen (laptop).
16) What is the warranty length for this screening device?	2 Years	1 Year
17) What sets this screening device apart?	Offers the simplicity and speed of testing with the power and flexibility to match any program's customizations. With a 3,000 test memory and bi-directional PC link for worklists, it is the most powerful dedicated OAE screener in the marketplace.	Uses a proprietary signal processing technique, Kalman Weighted Averaging, for superior response detection. Compared to other devices, it offers better handling of myogenic artifact and is less susceptible to electromagnetic interference. Wireless capabilities provide convenience and flexibility.



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