

Welcome to *Hearing Review Products'* continuing series of **Technology Guide** product surveys. With this, our 10th matrix, we present an array of Real-Ear Measurement (REM) systems from some of the industry's top manufacturers.

Beyond the REMs available on these following pages, be sure to visit our Web site, www.hearingreview.com, where you can download PDFs of this complete survey as well as the previous nine, covering every type of hearing aid, hearing protection device, and assistive listening device.



— Will Campbell

Real Ear Measurement Systems

Company Name:
Address:

Audioscan

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1. What is the name of your Real-Ear Measurement (REM) system?	Verifit 	RM500 SL 
2. What year was this REM system introduced?	2001	2005
3. What are the dimensions of this REM system? (length x width x height)	Rear: 14.5" x 16" x 6.5"; Front: 14" x 14.4" x 4"	15.5" x 12.75" x 4.25"
4. How much does this REM system weigh?	17.6 pounds	16.4 pounds
5. What is this REM system's power supply?	100 - 240 volts, 50 - 60Hz	100 - 240 volts, 50 - 60Hz
6. Please indicate features of this REM's display:	<ul style="list-style-type: none"> ■ Color ■ Screen Size: 12.1" ■ Screen Resolution: 800 x 600 	<ul style="list-style-type: none"> ■ Color ■ Screen Size: 12.1" ■ Screen Resolution: 800 x 600
7. Please indicate the type of connectors available with this REM system and how many?	<ul style="list-style-type: none"> ■ USB: 1.1; 2 connectors ■ Ethernet ■ Serial ■ External Speakers (Optional) ■ Coupler Mic ■ Real-Ear Mic: 2 ■ Other: 3.5mm jack for monitoring headset 	<ul style="list-style-type: none"> ■ USB: 1.1 ■ Ethernet ■ Serial <input type="checkbox"/> External Speakers ■ Coupler Mic ■ Real-Ear Mic <input type="checkbox"/> Other
8. Does this REM system have a built-in printer?	Yes	Yes
9. How many stimulus and/or measurement channels does this REM system have?	2 stimulus 2 measurement	2 stimulus 1 measurement
10. Is this REM system NOAH 3-compatible?	Yes	Yes
11. What is this REM system's frequency range?	200 - 8000Hz (Generation and Measurement)	200 - 8000Hz (Generation and Measurement)
12. What is this REM system's measurement range?	30 - 140 dB SPL (200 - 8000Hz)	30 - 140 dB SPL (200 - 8000Hz)
13. What tests are available with this REM system?	<ul style="list-style-type: none"> ■ REUR ■ REOR ■ REAR ■ REIG ■ Other: Viewport, Speechmap, Directional, Frequency Shifting, more 	<ul style="list-style-type: none"> ■ REUR ■ REOR ■ REAR ■ REIG ■ Other: Speechmap, Noise Reduction, Feedback Suppression, Occlusion, more
14. What fitting methods are available?	<ul style="list-style-type: none"> ■ DSL ■ NAL-NL1 ■ NAL-RP ■ Other: Camfit 	<ul style="list-style-type: none"> ■ DSL ■ NAL-NL1 ■ NAL-RP ■ Other: Camfit
15. What standard accessories does this REM system come with?	Dual probes, probe monitor, reference microphone, coupler microphone, RECD transducer, battery pills, couplers, mouse, and various consumables.	Single probe, reference microphone, coupler microphone, couplers, and various consumables.
16. What optional accessories are available?	External Speaker with stand, NOAH Module, Barcode Scanner, Microphone extension cable, soft case.	NOAH Module, Barcode Scanner, RECD transducer, Battery Pills, Microphone extension cable.
17. Are free software updates available?	Yes, updates always free	Yes, updates always free
18. What is the warranty length for this REM system?	2 years	2 years
19. In no more than 30 words, what differentiates this REM from others in its class?	From the introduction of Speechmap to our patented directional instrument test, Audioscan is firmly rooted in the science of hearing aid fitting.	From the introduction of Speechmap to our patented directional instrument test, Audioscan is firmly rooted in the science of hearing aid fitting.

Company Name:
Address:

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	Frye Electronics FP35 Hearing Aid Analyzer	Frye Electronics 7000 Hearing Aid Test System	Interacoustics A/S Affinity2.0
1. What is the name of your Real-Ear Measurement (REM) system?	FP35 Hearing Aid Analyzer	7000 Hearing Aid Test System	Affinity2.0
2. What year was this REM system introduced?	1999	2004	2008
3. What are the dimensions of this REM system? (length x width x height)	16" x 11" x 4.9"	17.4" x 6.5" x 14.6" (plus external sound chamber and monitor)	16.5" x 15" x 5.5"
4. How much does this REM system weigh?	12 pounds (including accessories)	17 pounds (plus external sound chamber and monitor)	12.1 pounds
5. What is this REM system's power supply?	100 - 240V, 50 - 60Hz	100 - 240V, 50 - 60Hz	100 - 240V, 50 - 60Hz
6. Please indicate features of this REM's display:	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Screen Size: 120 x 89mm <input checked="" type="checkbox"/> Screen Resolution: 320 x 240	<input type="checkbox"/> Color <input checked="" type="checkbox"/> Screen Size: Dependent on monitor <input checked="" type="checkbox"/> Screen Resolution: 640 x 480	<input checked="" type="checkbox"/> Color: Dependent on PC <input checked="" type="checkbox"/> Screen Size: Dependent on PC <input checked="" type="checkbox"/> Screen Resolution: Dependent on PC
7. Please indicate the type of connectors available with this REM system and how many?	<input type="checkbox"/> USB <input type="checkbox"/> Ethernet <input checked="" type="checkbox"/> Serial <input checked="" type="checkbox"/> External Speakers <input checked="" type="checkbox"/> Coupler Mic <input checked="" type="checkbox"/> Real-Ear Mic <input type="checkbox"/> Other	<input type="checkbox"/> USB <input type="checkbox"/> Ethernet <input checked="" type="checkbox"/> Serial <input checked="" type="checkbox"/> External Speakers <input checked="" type="checkbox"/> Coupler Mic <input checked="" type="checkbox"/> Real-Ear Mic <input type="checkbox"/> Other	<input checked="" type="checkbox"/> USB: 1.1 <input type="checkbox"/> Ethernet <input type="checkbox"/> Serial <input checked="" type="checkbox"/> External Speakers: 2 Terminal Blocks <input checked="" type="checkbox"/> Coupler Mic: 1 pc. 3.5 mm Jack <input checked="" type="checkbox"/> Real-Ear Mic: 2 pc. 7 pin DIN <input type="checkbox"/> Other
8. Does this REM system have a built-in printer?	Yes	Yes	Not Applicable (PC-based and therefore connects to the PC printer)
9. How many stimulus and/or measurement channels does this REM system have?	2	2	1 stimulus channel 4 measurement channels
10. Is this REM system NOAH 3-compatible?	Yes	Yes	Yes
11. What is this REM system's frequency range?	200 - 8000Hz	200 - 8000Hz	100 - 10,000Hz
12. What is this REM system's measurement range?	0 - 150 dB SPL (200 - 8000Hz)	0 - 150 dB SPL (200 - 8000Hz)	40 - 140 dB
13. What tests are available with this REM system?	<input checked="" type="checkbox"/> REUR <input checked="" type="checkbox"/> REOR <input checked="" type="checkbox"/> REAR <input checked="" type="checkbox"/> REIG <input type="checkbox"/> Other	<input checked="" type="checkbox"/> REUR <input checked="" type="checkbox"/> REOR <input checked="" type="checkbox"/> REAR <input checked="" type="checkbox"/> REIG <input type="checkbox"/> Other	<input checked="" type="checkbox"/> REUR <input checked="" type="checkbox"/> REOR <input checked="" type="checkbox"/> REAR <input checked="" type="checkbox"/> REIG <input checked="" type="checkbox"/> Other: REUG, REOG, REAG, RECD, Input/Output, Visible Speech
14. What fitting methods are available?	<input checked="" type="checkbox"/> DSL <input checked="" type="checkbox"/> NAL-NL1 <input checked="" type="checkbox"/> NAL-RP <input type="checkbox"/> Other	<input checked="" type="checkbox"/> DSL <input checked="" type="checkbox"/> NAL-NL1 <input checked="" type="checkbox"/> NAL-RP <input type="checkbox"/> Other	<input checked="" type="checkbox"/> DSL <input checked="" type="checkbox"/> NAL-NL1 <input checked="" type="checkbox"/> NAL-RP <input checked="" type="checkbox"/> Other: NAL-R, POGO1, POGO2, Half Gain, Third Gain
15. What standard accessories does this REM system come with?	Couplers (HA1, HA2, CIC), USB serial cable, calibration adapters	Couplers (HA1, HA2, CIC, Open Fit), battery pills (13, 675, 10, 312), USB serial cable, calibration adapters, FONIX Troubleshooter. With ANSI: Telewand. With Real-ear: monitor headset.	OtoAccess database CD, IHM60 in situ headset with probe microphone, reference microphone (double), IGT50 Insertion gain tubes 36 pcs, Standard USB cable, more.
16. What optional accessories are available?	Insert earphone for RECD, infant headset, open fit coupler, external monitor, FONIX Troubleshooter, NOAH Real-ear Module, WinCHAP	Insert earphone for RECD, speaker swing arm, infant headset, WinCHAP, sound chamber stand	SPL60 Transducer Kit for RECD measurement incl probes, eartips, BET60 Box with Eartips for RECD measurement, Calibration adaptor for in situ reference, more.
17. Are free software updates available?	For 1 year after purchase	Yes	Yes
18. What is the warranty length for this REM system?	1 year	1 year	1 year
19. In no more than 30 words, what differentiates this REM from others in its class?	The FP35 analyzer is elegant, compact, and affordable. It combines a flexible user interface with advanced testing technology, making it a great analyzer for both beginning and advanced users.	The 7000 test system is an advanced hearing aid analyzer great for large clinics, laboratories, and research environments. It has a superior sound chamber and a newly designed probe microphone.	Affinity2.0 allows for the creation of individual settings that are saved as protocols. It assists throughout the entire adult as well as pediatric fitting process including counseling with Visible Speech.



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Otometrics

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1. What is the name of your Real-Ear Measurement (REM) system?	AVANT REM Speech+ 	AURICAL Plus 
2. What year was this REM system introduced?	2006	2004
3. What are the dimensions of this REM system? (length x width x height)	4" x 4" x 1"	15" x 13.75" x 5.5"
4. How much does this REM system weigh?	< 0.4 pounds	7.25 pounds
5. What is this REM system's power supply?	USB 2.0-powered, 5V	100 – 240V, 50-60Hz
6. Please indicate features of this REM's display:	<ul style="list-style-type: none"> ■ Color: White ■ Screen Size: Dependent on monitor ■ Screen Resolution: Variable 	<ul style="list-style-type: none"> ■ Color: Dependent on PC ■ Screen Size: Dependent on PC ■ Screen Resolution: Dependent on PC
7. Please indicate the type of connectors available with this REM system and how many?	<ul style="list-style-type: none"> ■ USB ■ Ethernet: Host Computer ■ Serial: Host Computer ■ External Speakers ■ Coupler Mic ■ Real-Ear Mic ■ Other: Lighted probe mics; patient headset; operator headset 	<ul style="list-style-type: none"> ■ USB <input type="checkbox"/> Ethernet ■ Serial ■ External Speakers ■ Coupler Mic ■ Real-Ear Mic: 2 <input type="checkbox"/> Other
8. Does this REM system have a built-in printer?	This system is PC-based, and uses the printer connected to the computer.	No
9. How many stimulus and/or measurement channels does this REM system have?	2 measurement channels	1 stimulus channel 2 measurement channels
10. Is this REM system NOAH 3-compatible?	Yes	Yes
11. What is this REM system's frequency range?	125 - 8000Hz (10 bands)	100 - 10,000Hz
12. What is this REM system's measurement range?	20 - 120 dB SPL	40 - 146 dB SPL
13. What tests are available with this REM system?	<ul style="list-style-type: none"> ■ REUR ■ REOR ■ REAR ■ REIG ■ Other: Live speech mapping, real ear unaided gain, real ear occluded gain. 	<ul style="list-style-type: none"> ■ REUR ■ REOR ■ REAR ■ REIG ■ Other: RECD, Coupler response
14. What fitting methods are available?	<ul style="list-style-type: none"> ■ DSL ■ NAL-NL1 ■ NAL-RP ■ Other: MedRx Fitting Rx 	<ul style="list-style-type: none"> ■ DSL (v5.0a) ■ NAL-NL1 ■ NAL-RP ■ Other: FIG6, Logic, Logic 1st
15. What standard accessories does this REM system come with?	Lighted probe mic system, USB cable, speakers, patient headset, operator headset, carrying case, eartips, software and driver disks, user manual, installation manual.	Binaural REM probes, REM probe tubes, RECD fitting kit
16. What optional accessories are available?	Mobile office travel case, tabletop speakers	Free-field loudspeaker
17. Are free software updates available?	Yes, for product enhancements	Updates: Yes Upgrades: No
18. What is the warranty length for this REM system?	1 year standard (up to 5 years optional)	13 months
19. In no more than 30 words, what differentiates this REM from others in its class?	The AVANT REM Speech+ instrument is the only USB powered device available today—it is also the most compact system on the market, and provides the only ear-specific lighted probes in the industry.	A comprehensive diagnostic and fitting system supporting a full fitting protocol. The system is favored for its user-friendliness and integration of devices and data for the entire fitting process.