hrp technology guide

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

ZCO English Edit Measurement Systems

Company Name: Address:	Audioscan 41 Byron Ave Dorchester, ON NOL 1G0 (800) 265-2093 ■ (519) 268-3313 www.audioscan.com			
What is the name of your Real-Ear Measurement (REM) system?	Verifit		RM500 SL	.mdocogt [*] g->
2. What year was this REM system introduced?	2001		2005	
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	
Please indicate features of this REM's display:	■ Color ■ Screen Size: 12.1″ ■ Screen Resolution: 800 x 600		■ 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?	■ USB: 1.1; 2 connectors ■ Ethernet ■ Serial ■ External Speakers (Optional) ■ Coupler Mic ■ Real-Ear Mic: 2 ■ Other: 3.5mm jack for monitoring headset		■ USB: 1.1 ■ Ethernet ■ Serial □ External Speakers ■ Coupler Mic ■ Real-Ear Mic □ 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?11. What is this REM system's frequency range?	Yes 200 - 8000Hz (Generation and Measurement)		Yes 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?	■ REUR ■ REOR ■ REAR ■ REIG ■ Other: Viewport, Speechmap, Directional, Frequency Shifting, more		■ REUR ■ REOR ■ REAR ■ REIG ■ Other: Speechmap, Noise Reduction, Feedback Suppression, Occlusion, more	
14. What fitting methods are available?	■ DSL ■ NAL-NL1 ■ NAL-RP ■ Other: Camfit		■ 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.	

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Company Name: Address:	Frye Electronics 9826 SW Tigard St Tigard, OR 97223 (503) 620-2722 = (800) 547-8209 www.frye.com		Interacoustics A/S Drejervaenget 8 DK-5610 Assens, Denmark +45 6371 3555 www.interacoustics.com	
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	
Please indicate features of this REM's display:	□ Color■ Screen Size: 120 x 89mm■ Screen Resolution: 320 x 240	□ Color■ Screen Size: Dependent on monitor■ Screen Resolution: 640 x 480	■ 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?	☐ USB ☐ Ethernet ■ Serial ■ External Speakers ■ Coupler Mic ■ Real-Ear Mic ☐ Other	☐ USB ☐ Ethernet ■ Serial ■ External Speakers ■ Coupler Mic ■ Real-Ear Mic ☐ Other	■ USB: 1.1 □ Ethernet □ Serial ■ External Speakers: 2 Terminal Blocks ■ Coupler Mic: 1 pc. 3.5 mm Jack ■ Real-Ear Mic: 2 pc. 7 pin DIN □ 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?	■ REUR ■ REOR ■ REAR ■ REIG □ Other	■ REUR ■ REOR ■ REAR ■ REIG □ Other	■ REUR ■ REOR ■ REAR ■ REAR ■ REIG ■ Other: REUG, REOG, REAG, RECD, Input/Output, Visible Speech	
14. What fitting methods are available?	■ DSL ■ NAL-NL1 ■ NAL-RP □ Other	■ DSL ■ NAL-NL1 ■ NAL-RP □ Other	■ DSL ■ NAL-NL1 ■ NAL-RP ■ 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 measure- ment 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.	



MedRx Inc 1200 Starkey Rd Largo, FL 33771 (888) 392-1234 # (727) 584-9600 Mww.nedrx-usc.com 1. What is the name of your Real-Ear Measurement (REM) system? 2. What year was this REM system introduced? 3. What are the dimensions of this REM system (longist x width x height) 4. How much does this REM system (longist x width x height) 5. What is this REM system's prover supply? 5. What is this REM system on the REM's display: 6. Please indicate features of this REM's display: 7. Z5 pounds system weigh? 7. Z5 pounds 7. Z5 pounds 9. Please indicate features of this REM's display: 8. Color: White 9. Screen Size. Dependent on monitor 9. Screen Size. Dependent on PC 9. Screen Size. Screen Size. Screen Size. Dependent on PC 9. Screen Size. Dependent on PC					•	
Measurement (REM) system involved? 2. What yer was this REM system involved? 3. What are the dimensions of this REM system (Pength x width x height) 4. How much does this REM system's power supply? 5. What is this REM system's power supply? 6. Please indicate features of this REM's display: 7. Please indicate the type of connectors available with this REM system and how many? 8. Does this REM system and how many? 8. Does this REM system have a built-in printer? 9. How many stimulus and/or measurement channels does this REM system have? 10. It his REM system NOAH 3 compatible? 11. What is this REM system's measurement range? 12. What is this REM system's measurement range? 13. What tests are available with this REM system's measurement range? 14. What fitting methods are available? 15. What fitting methods are available? 16. What optional accessories are available? 17. Are free software updates available? 18. What tests are available with this REM system's peakers, patient headest, oring cape early, software and other disks, user manual, installation manual. 16. What optional accessories are available? 17. Are free software updates available? 18. What tis the warranty length for this REM system? 19. In on more than 30 words, what differentiates this REM from others in its class?		1200 Starkey Rd Largo, FL 33771 (888) 392-1234 = (727) 584-9600		125 Commerce Dr Schaumburg, IL 60173 (800) 289-2150		
3. What are the dimensions of this REM system? (Pength x width x height) 4. How much does this REM system's power supply? 5. What is this REM system's power supply? 6. Please indicate features of this REM's display: 7. Please indicate features of this REM's display: 8. Dess this REM system and how many? 8. Does this REM system have a built-in printer? 9. How many stimulus and/or measurement channels does this REM system have? 10. Is this REM system's prepared to the computer. 11. What is this REM system's prepared to the computer. 12. What is this REM system's requency range? 12. What is this REM system's measurement range? 13. What tests are available with this REM system's Penase in the dade, or penasurement range? 14. What fitting methods are available? 15. What standard accessories does this REM system's penase in the dade, operator headset, or penasurement range? 15. What standard accessories does this REM system's penase in the dade, operator headset, or penasurement range? 16. What optional accessories are available? 17. Are free software updates available? 18. What is the warranty length for this REM system? 19. In o more than 30 words, what differentiates this REM from others in its class? 19. In o more than 30 words, what differentiates this REM from others in its class?		AVANT REM Speech+		AURICAL Plus		
### REM system? (length x width x height) 4. How much does this REM system's power supply? 5. What is this REM system's power supply? 6. Please indicate features of this REM's display: 7. Please indicate the type of connectors available with this REM system and how many? 8. Does this REM system have a built-in printer? 9. How many stimulus and/or measurement chamels does this REM system's proper to the computer. 10. It is this REM system's printer? 9. How many stimulus and/or measurement chamels does this REM system's PC Second Resolution begins to connected to the computer. 11. What is this REM system's frequency range? 12. What is this REM system's measurement range? 13. What tests are available with this REM system? 14. What fitting methods are available? 15. What standard accessories does this REM system come with? 15. What standard accessories are available? 16. What optional accessories are available? 17. Are free software updates available? 18. What is the warranty length for this REM system? 19. In on more than 30 words, what differentiates this REM from others in its class? 19. In on more than 30 words, what differentiates this REM from others in its class?	2. What year was this REM system introduced?	2006	DE C	2004	- Anna	
system weigh? 5. What is this REM system's power supply? 6. Please indicate features of this REM's display: 7. Please indicate the type of connectors available with this REM system and how many? 8. Does this REM system have a built-in printer? 9. How many stimulus and/or measurement channels does this REM system have? 10. Is this REM system have a built-in printer? 9. How many stimulus and/or measurement channels does this REM system have? 11. What is this REM system's measurement range? 12. What is this REM system's measurement range? 13. What tests are available with this REM system's measurement range? 14. What fitting methods are available? 15. What standard accessories does this REM system cone with? 16. What optional accessories are available? 17. Are free software updates available? 18. What is the warranty length for this REM system? 19. In no more than 30 words, what differentiates this REM from others in its class? 19. In no more than 30 words, what differentiates this REM from others in its class?		4"x 4" x 1"	, i	15" x 13.75" x 5.5"		
Color: White Screen Size: Dependent on monitor Screen Resolution: Variable Screen Size: Dependent on PC Screen Resolution: Variable Screen Size: Dependent on PC Screen Resolution: Variable Screen Size: Dependent on PC Screen Resolution: Dependent on PC		< 0.4 pounds		7.25 pounds		
Screen Rise: Dependent on monitor Screen Rise: Dependent on PC Screen Rise: Dependent on PC Screen Rises Dependent on PC Screen Rise		USB 2.0-powered, 5V		100 – 240V, 50-60Hz		
available with this REM system and how many? Ethernet: Host Computer Serial Host Computer External Speakers Coupler Mic Real-Ear Mic Coupler Mic Coupler Mic Real-Ear Mic Coupler		■ Screen Size: Dependent on monitor		■ Screen Size: Dependent on PC		
printer connected to the computer. 9. How many stimulus and/or measurement channels 2 measurement channels 1 stimulus channel 2 measurement channels 1 stimulus channel 2 measurement channels 100 - 10,000Hz 100 - 10,000Hz 100 - 146 dB SPL 8 EUR 8 ECR 8 ECR 8 ECR 8 ECR 8 ECG 1 EXEUR 8 ECG 1 Cther: RECD, Coupler response 1 DSL (v.5.0a) NAL-NL1 NAL-RP 1 Other: RECD, Soupler response 2 DSL (v.5.0a) NAL-NL1 NAL-RP 2 Other: RECD, Soupler response 3 DSL (v.5.0a) NAL-NL1 NAL-RP 5 Other: RECD, Soupler response 4 EVER 8 ECG 8 ECAR 8 ECG 8 ECAR 8 ECG 9 Cther: RECD, Coupler response 9 Other: RECD, Soupler response 9 Other:	available with this REM system and	■ Ethernet: Host Computer ■ Serial: Host Computer ■ External Speakers ■ Coupler Mic ■ Real-Ear Mic ■ Other: Lighted probe mics; patient headset;		 Ethernet Serial External Speakers Coupler Mic Real-Ear Mic: 2 		
channels does this REM system have? 10. Is this REM system NOAH 3-compatible? 11. What is this REM system's frequency range? 12. What is this REM system's measurement range? 13. What tests are available with this REM system? 14. What fitting methods are available? 15. What standard accessories does this REM system come with? 15. What standard accessories does this REM system come with? 16. What optional accessories are available? 17. Are free software updates available? 18. What is the warranty length for this REM system? 19. In no more than 30 words, what differentiates this REM from others in its class? 10. I this REM system NOAH 3-compatible? Yes 125 - 8000Hz (10 bands) 100 - 10,000Hz 40 - 146 dB SPL 40 - 14				No		
11. What is this REM system's frequency range? 12. What is this REM system's measurement range? 13. What tests are available with this REM system? 14. What fitting methods are available? 15. What standard accessories does this REM system come with? 15. What standard accessories does this REM system come with? 16. What optional accessories are available? 17. Are free software updates available? 18. What is the warranty length for this REM system? 19. In no more than 30 words, what differentiates this REM from others in its class? 125 - 8000Hz (10 bands) 100 - 10,000Hz 40 - 146 dB SPL 40 - 146 dB SPL 8 REUR 8 REOR 8 REAR 8 REIG 9 Other: RECD, Coupler response 1 NAL-NL1 1 NAL-RP 9 Other: RECD, Coupler response 1 DSL (v5.0a) 1 NAL-NL1 1 NAL-RP 9 Other: REGE, Coupler response 1 DSL (v5.0a) 1 NAL-NL1 1 NAL-RP 1 Other: REGE, Coupler response 1 DSL (v5.0a) 1 NAL-NL1 1 NAL-RP 1 Other: REGE, Coupler response 1 DSL (v5.0a) 1 NAL-NL1 1 NAL-RP 1 Other: REGE, Coupler response 2 DSL (v5.0a) 3 NAL-NL1 3 NAL-RP 4 Other: REGE, Coupler response 2 DSL (v5.0a) 3 NAL-NL1 3 NAL-RP 4 Other: REGE, Coupler response 3 DSL (v5.0a) 3 NAL-NL1 4 NAL-RP 5 Other: REGE, Coupler response 1 DSL (v5.0a) 3 NAL-NL1 4 NAL-RP 5 Other: REGE, Coupler response 5 DSL (v5.0a) 5 NAL-NL1 5 NAL-RP 6 Other: REGE, Coupler response 7 NAL-NL1 7 NAL-RP 7 Other: REGE, Coupler response 8 REGE 8 REIG 9 Other: REGE, Coupler response 8 REGE 9 Other: REGE, Coupler response 1 DSL (v5.0a) 1 NAL-NL1 1 NAL-RP 1 NAL-		2 measurement channels				
frequency range? 12. What is this REM system's measurement range? 13. What tests are available with this REM system? 14. What fitting methods are available? 15. What standard accessories does this REM system come with? 16. What optional accessories are available? 17. Are free software updates available? 18. What is the warranty length for this REM system? 19. In no more than 30 words, what differentiates this REM from others in its class? 19. In no more than 30 words, what differentiates this REM from others in its class? 10. In REUR REUR REUR REUR REAR REGO Other: Live speech mapping, real ear occluded gain. In NAL-NL1 NAL-RE Other: RECD, Coupler response	10. Is this REM system NOAH 3-compatible?	Yes				
measurement range? 13. What tests are available with this REM system? REAR REAR REAR REIG Other: Live speech mapping, real ear unaided gain, real ear occluded gain. 14. What fitting methods are available? DSL NAL-NL1 NAL-RP Other: MedRx Fitting Rx 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. Mobile office travel case, tabletop speakers 17. Are free software updates available? 18. What is the warranty length for this REM system? 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 todayint is also the most compact system on the market, and provides the only ear-specific		125 - 8000Hz (10 bands) 100 - 10,		100 - 10,000Hz	- 10,000Hz	
REM system? REOR		20 - 120 dB SPL		40 - 146 dB SPL		
In Alanch I		■ REOR ■ REAR ■ REIG ■ Other: Live speech ma	apping, real r occluded gain.	■ REOR ■ REAR ■ REIG		
rying case, eartips, software and driver disks, user manual, installation manual. 16. What optional accessories are available? 17. Are free software updates available? 18. What is the warranty length for this REM system? 19. In no more than 30 words, what differentiates this REM from others in its class? 19. In no more than 30 words, what market, and provides the only ear-specific	14. What fitting methods are available?	■ NAL-NL1 ■ NAL-RP	Rx	■ NAL-NL1 ■ NAL-RP		
17. Are free software updates available? 18. What is the warranty length for this REM system? 19. In no more than 30 words, what differentiates this REM from others in its class? 19. In no more than 30 words, what market, and provides the only ear-specific		ers, patient headset, operarying case, eartips, softwar	etor headset, car- e and driver disks,			
18. What is the warranty length for this REM system? 1 year standard (up to 5 years optional) 13 months 13 months 14 months 15 months 15 months 16 a Comprehensive diagnostic and fitting system only USB powered device available today—it is also the most compact system on the market, and provides the only ear-specific	16. What optional accessories are available?		tabletop	Free-field loudspeaker		
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 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	17. Are free software updates available?					
differentiates this REM from others in its class? only USB powered device available today— it is also the most compact system on the market, and provides the only ear-specific and integration of devices and data for		1 year standard (up to 5 y	years optional)	13 months		
	differentiates this REM from others	only USB powered device it is also the most compac market, and provides the	available today— t system on the only ear-specific	tem supporting a full fitting protocol. The system is favored for its user-friendliness and integration of devices and data for		