

ALL NEW RM500[®]SL

In 1988 we introduced the RM500, the worlds first portable real ear/hearing aid analyzer. It was durable and above all functional. Today we are proud to introduce the all new RM500SL; more portable, more durable, more functional, more capable.

Get a Handle on Digital Fittings!

The RM500SL provides the tools you need to fit all digital instruments using the signals they are designed to process - real speech - calibrated, controlled and appropriately analyzed.

All New Features

12.1" color display.

Battery drain test.*

Built-in telecoil test.

All new, easy to use keypad.

Larger, more absorbent test box.

DSL[®] and NAL-NL1 fitting methods.

Choose from real speech, tone, or noise stimulus.

Professional, sleek new design compliments any work setting.

Easily re-enter audiometric data using the optional scanner.**

Nearly 40% smaller than the original RM500!



Standard Features

Warranty:

Industry best 2 year warranty

Software:

Free software updates for the life of your RM500SL. Each software update adds functionality and features to your `SL` so you are always using the latest technology for the best fit, and there is no cost of ownership.

Ease of use:

The RM500SL features the most powerful tools available to help your clients, yet it has fewer buttons than a microwave.

Legendary Durability:

The original RM500 has been in the field for over 15 years and most are still in use today. The RM500SL is built to last, with major components shock mounted and protected by strong yet light aluminum castings.

* Battery drain testing requires battery pills which may be purchased from Audioscan

** The scanner may be purchased as an accessory from Audioscan

Speechmap[®]



audioscan[®]
The Science of Hearing Aid Fitting

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Visit our all new website at www.audioscan.com

audioScan® Product Comparison

Feature	RM500 [®] P	RM500 [®] SL	VERIFIT [®]
Real Speech	-	a	a
12.1" Color Display	-	a	a
Dual Probes	-	-	a
Patented Directional REM Test	-	-	a
Patented Directional HIT Test	-	-	a
Telephone Magnetic Field Simulator	Accessory	a	a
Integrated Carrying Case	a	a	-
Integrated Battery Drain	-	Accessory Required	a
Network Ready	-	a	a
Soundbox (Integrated)	21 Square Inches	31 Square Inches	53 Square Inches
Barcoded Audiometric Data Entry*	-	a	a
DSL [®]	a	a	a
NAL-NL1	-	a	a
RECD Transducer	Accessory	Accessory	a
Speechmap [®]	a	a	a
Integrated Probe Monitor	-	-	a
ANSI S3.22 - 2003	-	a	a

RM500[®]SL Specifications

Subject to change without notice

General

Overall dimensions.....	15.5"x12.75"x4.25"
Weight.....	15lbs
Display type.....	fluorescent backlit active color
Display size.....	12.1" diagonal
Resolution.....	800x600 (SVGA)
Printer type.....	thermal line printer
Printer resolution.....	200 dots per inch
Paper width.....	3" (80mm)
Power amplifiers.....	2
Stimulus Channels.....	2
Measurement channels.....	1
Connectors.....	1-USB
	1 - Ethernet (RJ45)
	1 - RS232 serial (9D)
	2 - external speakers (1/4" mono)
	1 - RECD transducer(3.5mm st)
	1 - test chamber ref. mic.(3.5mm st)
	1 - coupler microphone(3.5mm st)
	1 - battery substitute(3.5mm st)
	1 - real-ear mic.(3.5mm st)

Real Ear

Speakers.....	1 - 2"x 3"
Probe microphone tube	Silicone 1.0 mm diameter x 75 mm
Frequency Range.....	200 to 8000 Hz
Test Stimuli	frequency-modulated tone, tone burst, pink noise, calibrated speech
Freq. modulation.....	triangular +/- 5%at 36 Hz
Test stimulus levels for tones	40 - 85 dB SPL in 5 dB steps
Test stimulus accuracy at reference mic. for tones (200 - 2000 Hz).....	+/- 1.5 dB SPL
Test stimulus accuracy at reference mic. for tones (2000- 8000 Hz).....	+/- 2.5 dB SPL
Equalization Method.....	pressure method
Analysis frequencies per octave (tones).....	12
Analysis bandwidth (speech, noise) 1/3 octave	
Measurement accuracy at 1 kHz.....	+/- 1 dB
Measurement accuracy re 1 kHz	+/- 1 dB (200-5000 Hz)
	+/- 2.5 dB (5000-8000Hz)

Real Ear Con't

Measurement Range	20-135 dB SPL (200-2500 Hz)
	30-140 dB SPL (2500-8000Hz)
ANSI S3.46 - 1997 tests available	
a Real-Ear Unaided Response	
a Real-Ear Aided Response	
a Real-Ear Occluded Response	
a Real-Ear Insertion Gain	
Other tests available	
a Real-ear harmonic distortion	
a Real-ear spectral analysis	
a Manual measurement of output, gain, and distortion	
Fitting methods available	
Speechmap [®] with DSL [®] , NAL-NL1	
Insertion gain with NAL-RP, NAL-NL1	
Fig6, Pogoll, Berger, Libby	

HIT Chamber

Working Space.....	8.8"x3.5"x1.5"
Speaker.....	1 - 2"x3"
Induction Coils	1 - Telephone Magnetic Field Simulator (TFMS ANSI S3.22 - 2003)
Battery Simulator.....	per ANSI S3.22 2003
Frequency Range.....	200 - 8000 Hz
Test Stimuli	tone, pink noise, calibrated or live speech
Test stimulus levels	40 to 90 dB SPL in 5 dB steps
Test stimulus levels (inductive)	31.6mA/m per ANSI S3.22 - 2003
Test stimulus distortion	<2% at 90dB SPL
	<0.5% at 70 dB SPL
Test stimulus accuracy at reference mic. for tones (200-2000 Hz).....	+/- 1.5 dB SPL
Test stimulus accuracy at reference mic. for tones (2000-8000 Hz).....	+/- 2.5 dB SPL
Equalization method.....	pressure method

HIT Chamber Con't

Analysis frequencies per octave.....	12
Analysis filter bandwidth.....	1/12 octave
Measurement accuracy at 1 kHz.....	+/- 1db
Measurement accuracy re 1 kHz	+/- 1 dB (200-5000 Hz)
	+/- 2.5 dB (5000-8000 Hz)
Measurement range.....	30 - 140 dB SPL
Harmonic distortion measurement	2nd and 3rd or 2nd plus 3rd
Harmonic distortion range.....	200 to 4000 Hz
Harmonic distortion accuracy.....	+/- 1%
Battery drain range.....	0 - 20mA
Battery drain accuracy.....	+/- 5%
Battery drain resolution.....	+/- .01 mA
ANSI S3.22 - 1996 and 2003 tests available	
a OSPL90	
a Full-on Gain	
a Reference Test Gain	
a Frequency Response	
a Frequency Range	
a Maximum OSPL90	
a Harmonic Distortion	
a Attack & Release time	
a Equivalent Input Noise	
a Input/Output Curves	
a Coupler SPL - Telephone Simulator	
a Simulated Telecoil Sensitivity	
a Battery Drain	
Other tests Available	
a coupler SPL vs frequency	
a coupler gain vs frequency	
a spectral analysis	
a distortion vs frequency	
a manual measurement of output, gain and distortion	

www.audioScan.com
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