



AVANT REM Speech+
The REM/LSM System

PC-Based Real Ear Measurements & Live Speech Mapping System

Verified Hearing Aid Fittings
with Less Return Visits.

REM AutoFit Compatible.





REM Standard Accessories

- Sure-Probe™ Microphone System. 2 Probe Microphones With Probe Mic Hanger
- Monitor Headphone
- Speaker
- USB Cable
- External Power Supply
- Probe Tube Pack
- Probe Microphone Storage Case
- Software & Manuals
- Carrying Case

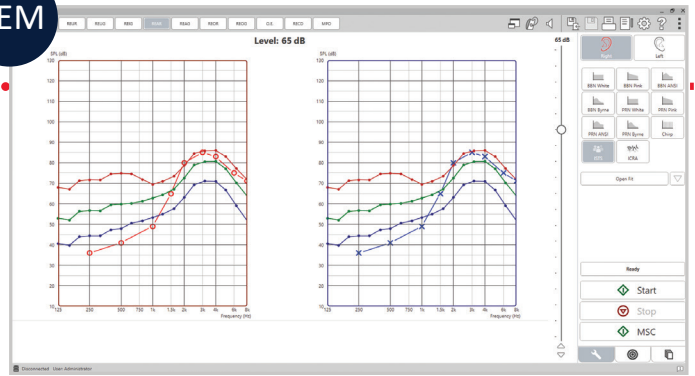
REM Optional Accessories

- RECD Coupler



Sure-Probe™ microphone system. 2 probe microphones with lighted visual cues.

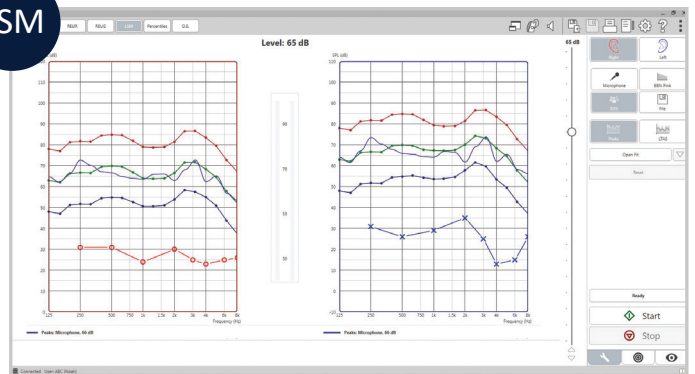
REM



Real Ear Measurements

IEC/ANSI standard REM functions are provided for: REUR, REUG, REIG, REAG, REAR, REOR, REOG and RECD.

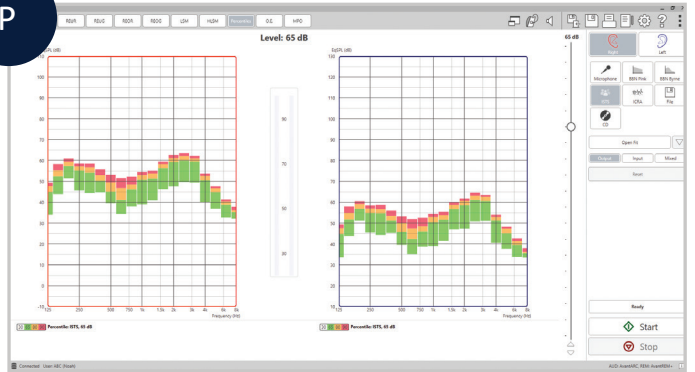
LSM



Live Speech Mapping

Live Speech Mapping (LSM) a quick and successful approach to hearing instrument fitting.

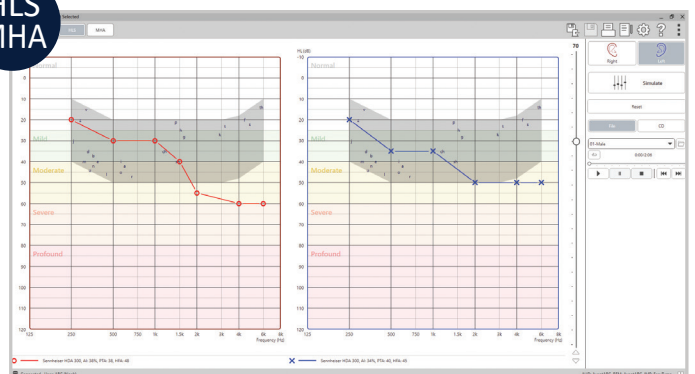
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Percentile Analysis

Normally the percentile test is performed over 45 seconds interval using ISTS signal.

HLS MHA



HLS/MHA

Easily simulate hearing loss and hearing instruments for patients.

Real Ear Measurements and Live Speech Mapping

- Binaural Live Speech Mapping and Real Ear Measurement
- REM AutoFit Capable
- The REM Software Module includes targets for MSS (Modified Speech Spectrum), DSL v5.0, NAL-NL1 and NAL-NL2
- HLS (Hearing Loss Simulator) & MHA (Master Hearing Aid) for 3rd Party Demonstration
- PC Based and Portable
- HID Device - True Plug and Play
- USB Connection to Computer
- Noah, TIMS, Blueprint OMS and Sycle Compatible



MedRx AVANT REM Speech+

The AVANT REM Speech+ represents a new era of precision in-situ verification for your office. Compact yet rugged, this PC-based system is USB powered and supports all ANSI and IEC Real Ear tests.

Features include the Sure-Probe™ microphone system with lighted visual cues and a selectable dual probe measurement option that allows the user to do Live Speech Mapping on both ears simultaneously.

The REM Speech+ includes the LSM, REM and HLA/MHA Studio software modules

Studio Software can run stand-alone or from within the Noah System. It offers an intuitive user interface for data collection, patient monitoring and counseling. In addition to Live Speech Mapping, the REM Software supports all conventional Real Ear Measurements and includes targets for DSL i/o 5.0, NAL-NL1 and NAL-NL2 as well as HLS (Hearing Loss Simulator) and MHA (Master Hearing Aid). Several options are available which allow the user to customize the Studio Software to meet their needs.

The Ultimate Office+ Package

Get the AVANT A2D+ Dual Channel Audiometer and the AVANT REM Speech+ Live Speech Mapping System along with a convenient carrying case. Together they make up The Complete Audiological Testing & Fitting System.

Counseling Tools (HLS/MHA)

The Hearing Loss Simulator (HLS) demonstrates the effect of the client's hearing loss for the spouse or family member. The program attenuates an input signal to simulate the severity of the loss for the third party. The Master Hearing Aid Simulator (MHA) demonstrates the benefits of amplification of a hearing aid to an inexperienced user. Using these tools can empower the patient and third party to make informed decisions about their hearing healthcare.



AVANT REM Speech+

Technical Specs

REM Speech+ Standards: ANSI S3.46, IEC 61669, EN 61669

System Modality: Real Ear Measurement; Binaural Live Speech Mapping; Hearing Loss Simulator; Hearing Instrument Simulator

Probe Microphones (L/R): Dual Electret Microphone Elements (2 Probe Microphones)

Probe Microphone Tube: Silicone 1.0 mm Nominal Diameter

Measurement Frequency Range:

125 – 8000 Hz

Test Stimuli: Broadband Noise And Synthesized Random Noise – Pink, White, Byrne LTASS And ANSI Weighted; ICRA; ISTS; Microphone, File, CD-ROM for Live Speech Mapping, Chirp

Test Stimulus Levels at 1m: 45 – 90 dB SPL In 1 dB Steps – 200 Hz through 8K Hz (Depending On Speaker Wattage & Efficiency)

Test Stimulus Accuracy: ± 3 dB SPL

Analysis Mode: User Selectable 1/3, 1/6, 1/12, 1/24, 1/48 Octave Bands

ANSI S3.46 Test Available IEC/EN 61669: Real Ear Unaided Response, Real Ear Unaided Gain; Real Ear Insertion Gain; Real Ear Occluded Response; Real Ear Occluded Gain; Real Ear Aided Response; Real Ear Aided Gain

Other Test Available: Live Speech Mapping With Peaks And LTASS Analysis; Real Ear To Coupler Difference, Occlusion Effect, Percentile Analysis

Prescription Methods: NAL-RP; 1/3 Gain; 1/2 Gain; Berger; Pogo 1; Pogo 2; FIG6; DSL m[I/O] NAL-NL1; NAL-NL2

External Connections: Power Connection USB 2.0 Input 5.0 Volt Bus; Line-Output Jack (Speakers) 3.5 mm Stereo Jack; Speaker Output (Internal Amplifier) (2) 3.81mm Pluggable Spring Clamp; Probe Microphones Inputs (2) 8 Pin Mini-DIN; Operator Headset Jack 3.5 mm Stereo Jack; Patient Headset Jack 3.5 mm Stereo Jack; Power Jack 2.1 mm X 5.5 mm.

Hearing Loss Simulator And Hearing Instrument Simulator:

Software Based Sound. Equalization With Available Live Speech Mapping Functionality

Communication: Talk forward And Talk Back

Data Connection: USB

Mode of Operation: Continuous

Warm up Time: Less Than 5 Min After USB Connection

Power Supply:

100 - 240 V~ 50/60 Hz ± 10 % Producing 15 VDC, USB: 5 VDC

Power Consumption:

Less Than 500 mA At 15 VDC / Less Than 500mA At 5 VDC

Operating Temperature: 10°C To 35°C

Operating Humidity: 30% To 90%

Storage Temperature: -20°C To 50°C

Storage Humidity: 10% To 90%

Dimensions: Approx. 16 cm x 12 cm x 3 cm (L x W x H)

Approx. 6.5" x 5" x 1.25" (L x W x H)

Weight: < 500 g < 1 lb

Standard Accessories: Sure-Probe™ Microphone System. 2 Probe Microphones With Probe Mic Hanger, Monitor Headphone, Speaker, USB Cable, External Power Supply, Probe Tube Pack, Probe Microphone Storage Case, Software & Manuals, Carrying Case

Optional Accessories: RECD Coupler

MedRx Minimum Computer Specs:

Windows® PC compatible computer, Intel™ i5, 2.0 GHz or better. 4 GB RAM. 20 GB free hard drive space. Available 2.0 USB Port. Windows 10 or 11 Professional (32 Or 64-Bit).

MedRx®

Good Things Come in Small Packages

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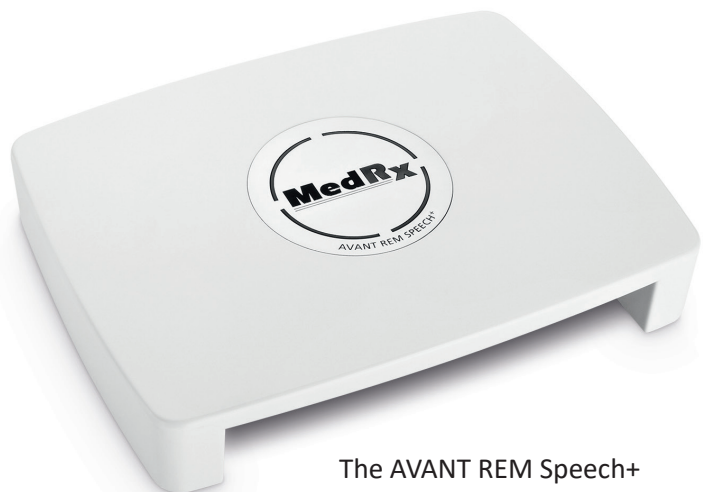
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Fast binaural Fittings.

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