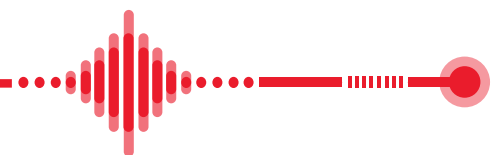




**AVANT REM Speech+**  
The REM/LSM System

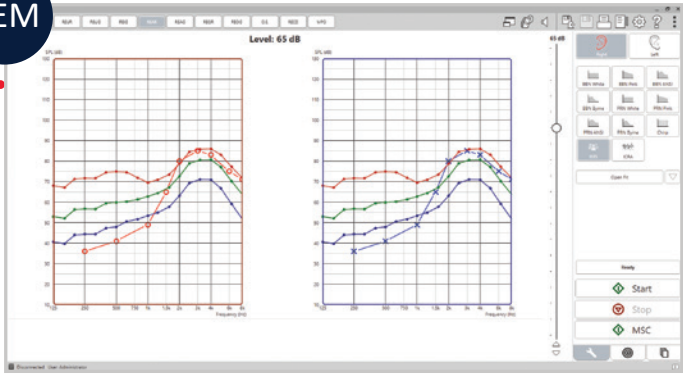
## PC-Based Real Ear Measurements & Live Speech Mapping System

Verified Hearing Aid Fittings  
with Less Return Visits.  
REM AutoFit Compatible.





**REM**



**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

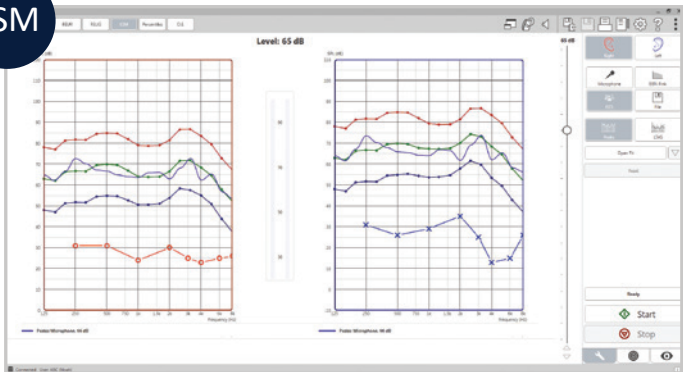
**Real Ear Measurements**

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

**REM Optional Accessories**

- RECD Coupler

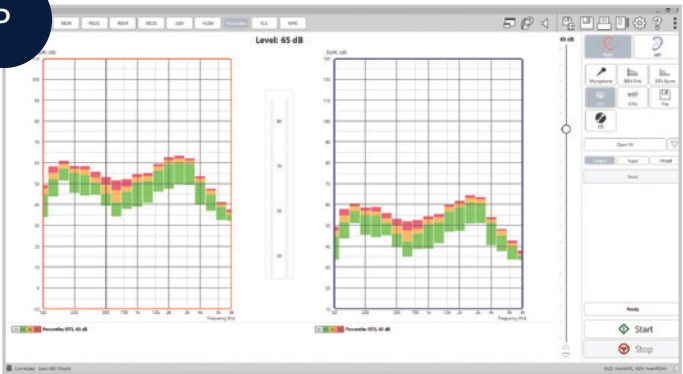
**LSM**



**Live Speech Mapping**

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

**P**



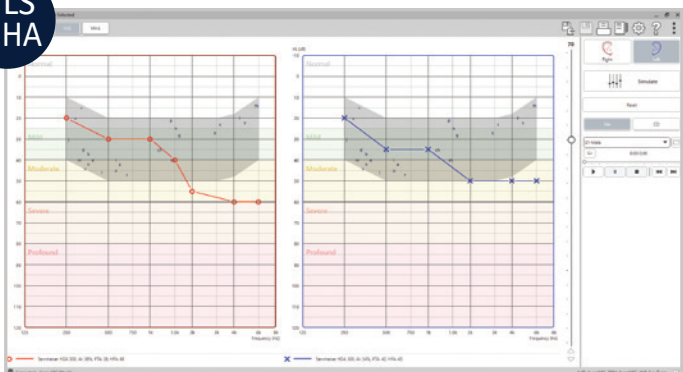
**Percentile Analysis**

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



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

**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 S3.46-1997, IEC 61669:2001, EN 61669:2001

**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 S3.46-1997 Test Available IEC/EN 61669:2001:** 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[l/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 Dual Core, 2.0 GHz Or Better. 4 GB RAM. 20 GB Free Hard Drive Space. Available 2.0 USB Port. Windows 7, 8 Or 10 Professional (32 Or 64-Bit).

# MedRx®

Good Things Come in Small Packages

## MedRx International

MAICO Diagnostics GmbH

Sickingenstr. 70-71

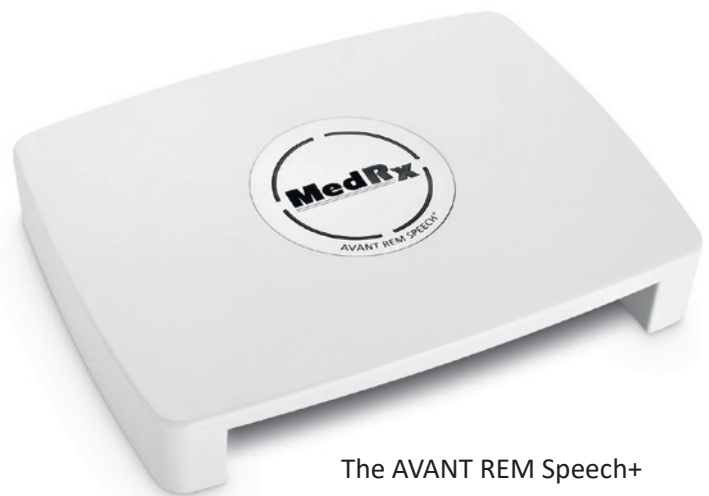
10553 Berlin, Germany

Phone: +49 30 70 71 46 50

Fax: +49 30 70 71 46 99

Email: medrx-sales@maico.biz

www.medrx-diagnostics.com



The AVANT REM Speech+  
Fast binaural Fittings.

Australian Distributor

**SONIC**  
EQUIPMENT

1800 639 263  
info@soniceq.com  
soniceq.com

MX-REM-INTDS-1 Rev. 1

