

Measure

What's New

version 6.1.0



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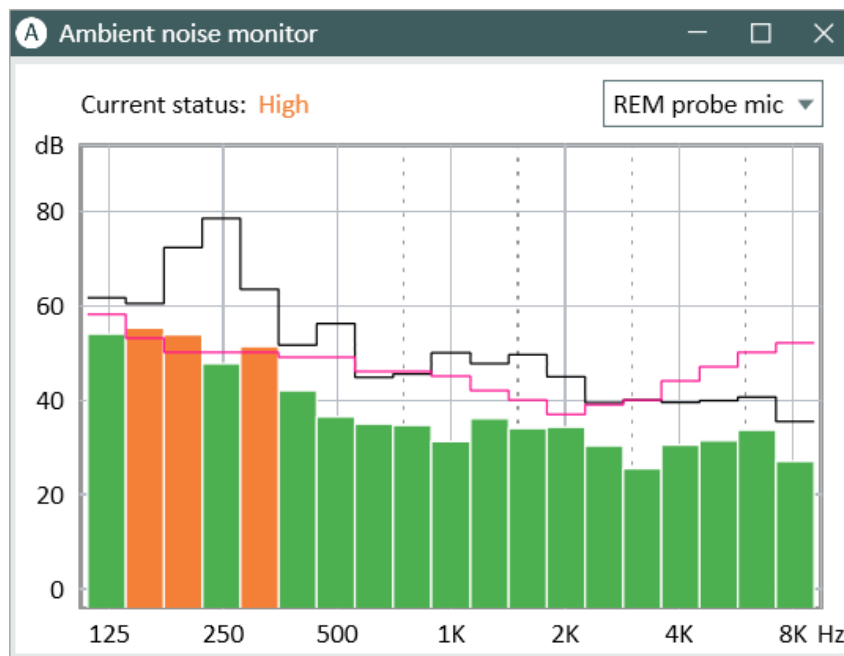
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1 Introduction

We are pleased to announce the release of Measure 6.1.0, introducing significant advancements in audiological testing and device management. Explore the new features and enhancements to elevate the quality and efficiency of your audiological practice.

2 Ambient Noise Monitoring (ANM)

The Ambient Noise Monitoring (ANM) feature is now available in the Pure Tone (PT) Audiometry module of Measure. This feature leverages the REM probe microphone to continuously monitor and display ambient noise levels across a frequency range from 125 Hz to 8 kHz. The ANM feature ensures that PT audiometry tests are conducted in environments where ambient noise does not interfere with the patient's ability to hear test tones, leading to more accurate and reliable test results.



How ANM works in Measure:

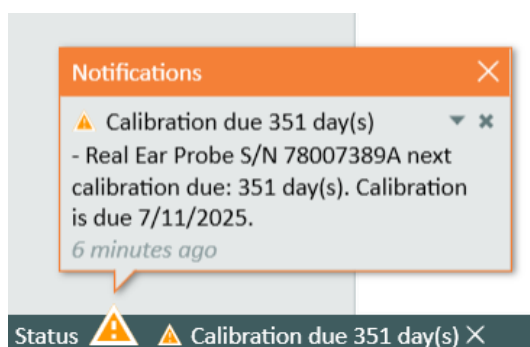
- **Activation:** ANM can be enabled manually or automatically when the PT module is started. The dialog displays ambient noise levels for all frequencies from 125 Hz to 8 kHz.
- **Dialog Interaction:** The ANM dialog can be opened, closed, resized, and remains on top of the main PT page without obstructing other functions. It also integrates with the on-top audiogram mode.
- **Noise Level Indication:** Ambient noise levels are represented by color-coded bars: green for acceptable levels and orange for excessive levels. The general status is shown as "Normal" or "High," based on whether any frequency exceeds the allowed limit.
- **Real-Time Monitoring:** Ambient noise is measured continuously, and the dialog updates in real-time. The overall noise status is displayed, and detailed noise level information is recorded and stored with the measurement data.
- **Customization:** Users can configure the ambient noise check for different test types and set maximum permitted uncertainty levels (2 or 5 dB) in the Test Definitions. Changes to the default maximum permitted ambient noise require a software restart for the new settings to take effect.

By providing real-time feedback on ambient noise levels, the ANM feature helps maintain optimal testing conditions, leading to more precise audiometric assessments and better patient outcomes.

3 Settings

Transducer Calibration Countdown

A new feature allows users to enable transducer calibration countdown warnings, providing advance notice for upcoming calibrations.



Users can set the number of days before the calibration date when notifications should appear, with a maximum of 365 days. When enabled, the system will display countdown

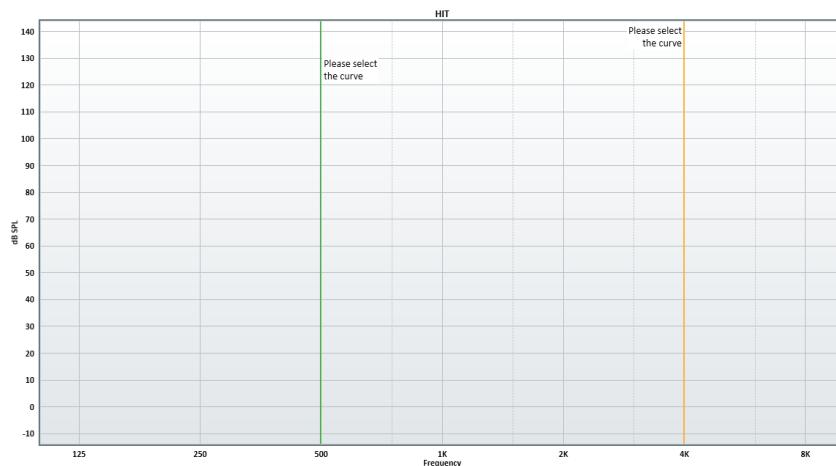
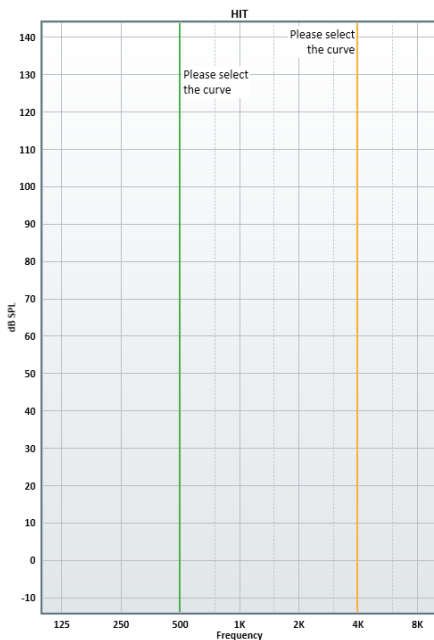
messages in the status bar for all connected transducers and microphones that require calibration as the due date approaches.

Severity

In the new Severity section, users can now set custom upper limits for various degrees of hearing loss, ranging from normal to profound. You can tailor these settings by deleting existing layers or adding custom ones. To add a new layer, simply click "Add" to the right of an existing layer, and a blank field will appear below it for you to customize.

HIT Graph Layout Aspect Ratio

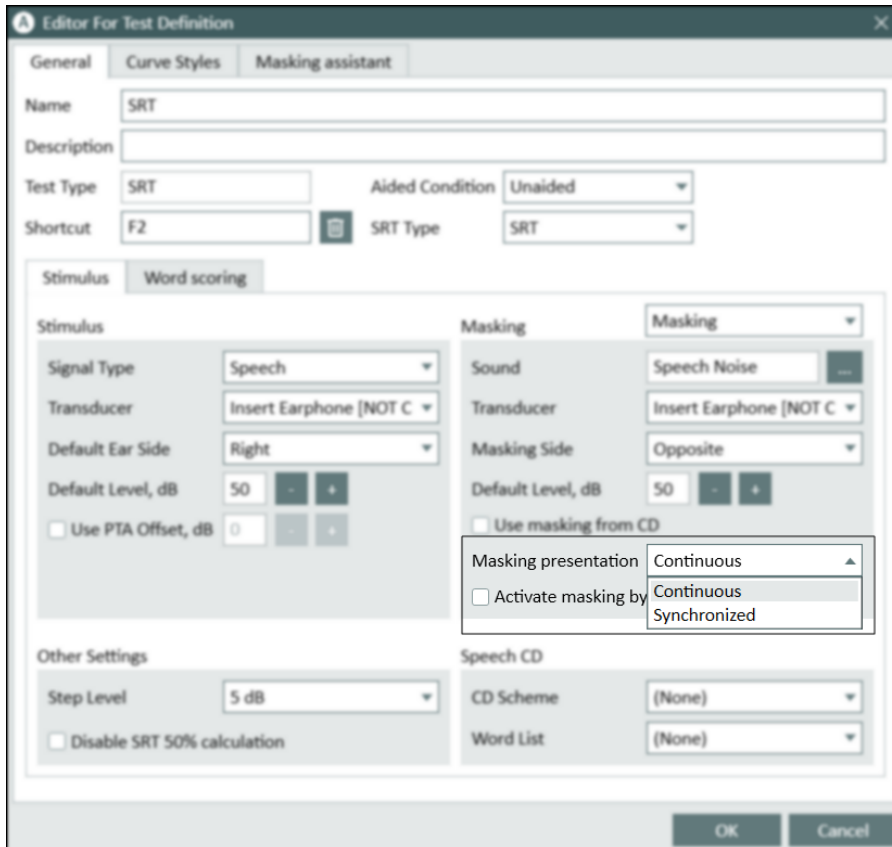
You now have the option to select either horizontal or vertical layouts in the HIT Graph Layout Aspect Ratio settings. This customization capability allows you to align the display with either the JIS/IEC standard or your personal preferences, enhancing flexibility in visual representation. The selected layout will consistently appear in generated reports, ensuring a cohesive visual presentation across all outputs.



4 Speech

Synchronized Masking Presentation

In the Masking Presentation settings, you can now choose between two modes: Continuous and Synchronized. The default mode, Continuous, provides a constant masking sound. The new Synchronized mode aligns the masking sound with the speech material for a more integrated experience.



Continuous Mode:

- Channel 1: Plays words from the stimulus track, skipping parts of the track between words.
- Channel 2: Plays masking sound continuously from the start, looping without stops or position changes, regardless of the word presentation mode.

Synchronized Mode:

- Channel 2: Masking sound starts, pauses, and stops in sync with Channel 1. It aligns with the positions of the speech material and does not loop. If the masking sound is shorter than the stimulus, it stops after its last position.

Signal Type Display

The signal type (Recorded/Live Speech) now appears in both the measurement legend and the graph view report.

Table View Report Enhancement

For English language users, the table view report now includes detailed information such as test type, transducer, recorded/live speech, and ear side.

5 HIT

The HIT module has been upgraded with several new features and improvements:

Long-Term Test

The HIT module now includes a Long-Term test. This feature provides essential data on the long-term performance and battery efficiency of hearing instruments, helping to ensure their reliability and durability over extended use periods.

Harmonic Distortion Results

Harmonic distortion results are now displayed directly on the graph, providing better visibility and making it easier to assess and interpret the data.

Right/Left Instrument Memory

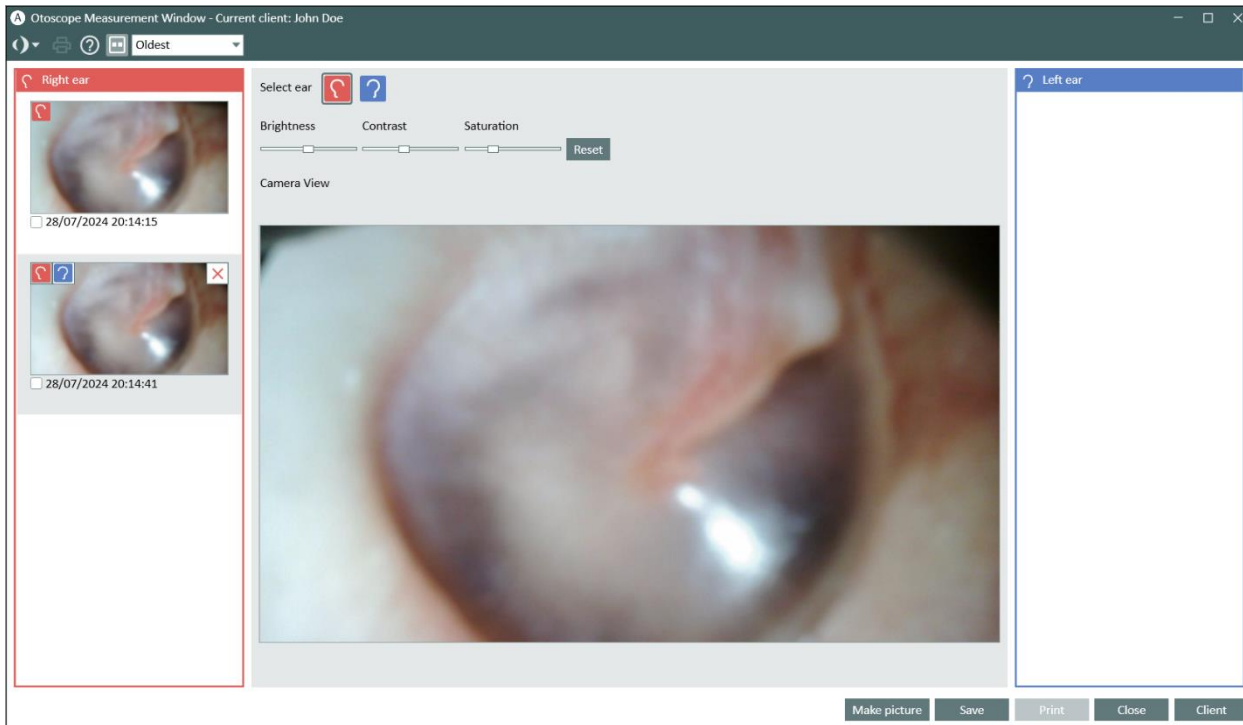
The HIT module now remembers whether the tested hearing aid was a right or left instrument. The right/left settings selected for the HI Pro are stored alongside the HIT measurement data, and this configuration is preserved even after the data is reloaded, streamlining the testing process and reducing potential errors.

Looping Function in Frequency Response

The looping function is now available in the Frequency Response test type.

6 Other Enhancements

- **Otoscopy Module:** The Otoscopy module now features an enhanced design for improved clarity of right and left ear images. Previously, all pictures were saved in the same location, but now there are separate panels for each ear, positioned on the corresponding sides of the screen. Users can still correct any ear selection errors by hovering over the image and selecting the appropriate ear icon.



- **BSA Mode:** Assistant warnings are now displayed separately for masked and unmasked points in the same frequency.
- **Silent Mode:** Silent mode can now be activated in Settings > Controls > Audiometry - Control Settings. This allows you to present the stimulus by simply hovering the mouse over the Stimulus button without needing to click.
- **Transducer Dropdown Lists:** Transducer dropdown lists in test modules now display only connected devices, making selection easier and quicker. If a selected transducer disconnects, you will receive a notification to reconnect or choose an alternative.
- **Toolbar Icons:** The main screen's toolbar now features convenient icons for TO (Talk Over), TB (Talk Back), and TO/TB Settings, enhancing usability and quick access to these functions.

- **Default Talk Over Level:** You now have the ability to set a default level for Talk Over in the Default Talk Over Level field. Once configured, this preset level will be applied each time you initiate a testing session. After finishing the session or closing the application, the Talk Over (TO) level will automatically revert to the default value specified in this field.
- **Looping Function in Percentile Analysis:** The looping function is now available in the Percentile Analysis in SM.
- **Historical Measurements:** Historical measurements can now be printed in AUD, REM, SM, and HIT directly from the Measurement History on the Dashboard (main screen). Any historical measurement can also be displayed in the legend and on the graph by clicking History data and selecting the desired measurement(s).

7 Release Notes 6.1.0

Besides mentioned above, this version of the Measure software contains the following enhancements:

UI Enhancements

Bug fixes

TEN Test license

TEN Test licenses can now be purchased. To obtain one, contact your representative. Once the license is entered, the user will be able to use TEN sounds.

Dependencies

This version supports NOAH versions 4 or higher. To use the Primus Panel under Auditbase System, Auditbase version 4.17.01 or higher is required.

Installation

The uninstallation of the previous version is done automatically.

To upgrade to Measure 6.1.0:

1. Run the set-up file: **Setup_Measure_6_1_0.exe**.
2. Follow the instructions on the screen.

8 Support

For further information, please visit www.auditdata.com.