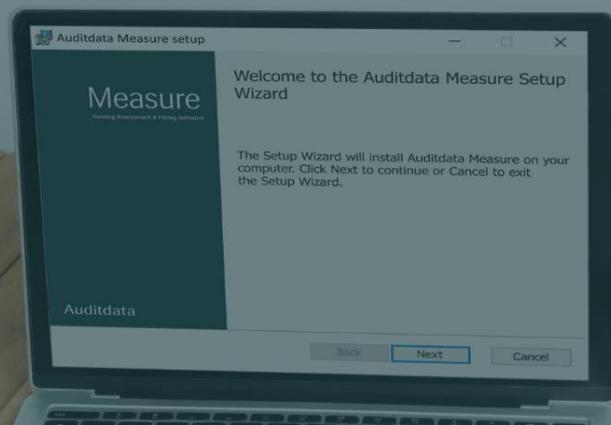


# Measure

# What's New

version 6.0.0



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# 1 Introduction

This document aims to give you an overview of the most important new features in Measure 6.0.0.

Up to version 4.2.0, the software was released under the name of Primus. The release following Primus 4.2.0 acquires the name Measure and the version number 6.0.0.

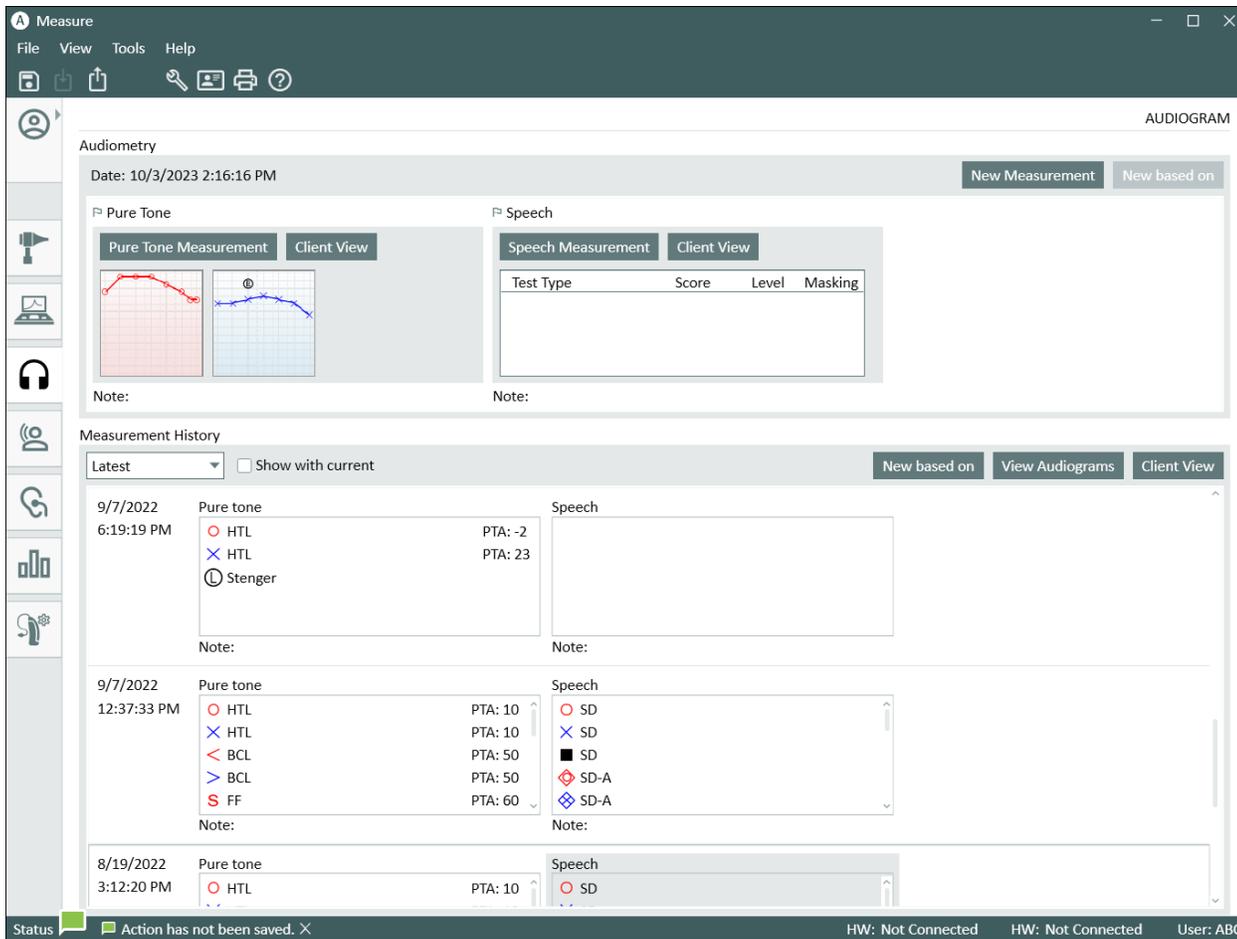
NOTE: You must uninstall the previous version of Primus before installing Measure 6.0.0. If Primus is not uninstalled, the system will display a warning when installing Measure 6.0.0. Note that all settings previously configured in Primus will be applied in the new Measure installation.

## 2 New Audiometer & Fitting Unit

The new Measure diagnostic audiometer and fitting unit was introduced to optimize first fits and boost your clinical performance. To learn more about our new Measure solution, visit [www.auditdata.com](http://www.auditdata.com).

## 3 Design

In the Measure 6.0.0 release, the software design and logo are rebranded to better represent the new generation of the system.



# 4 Settings

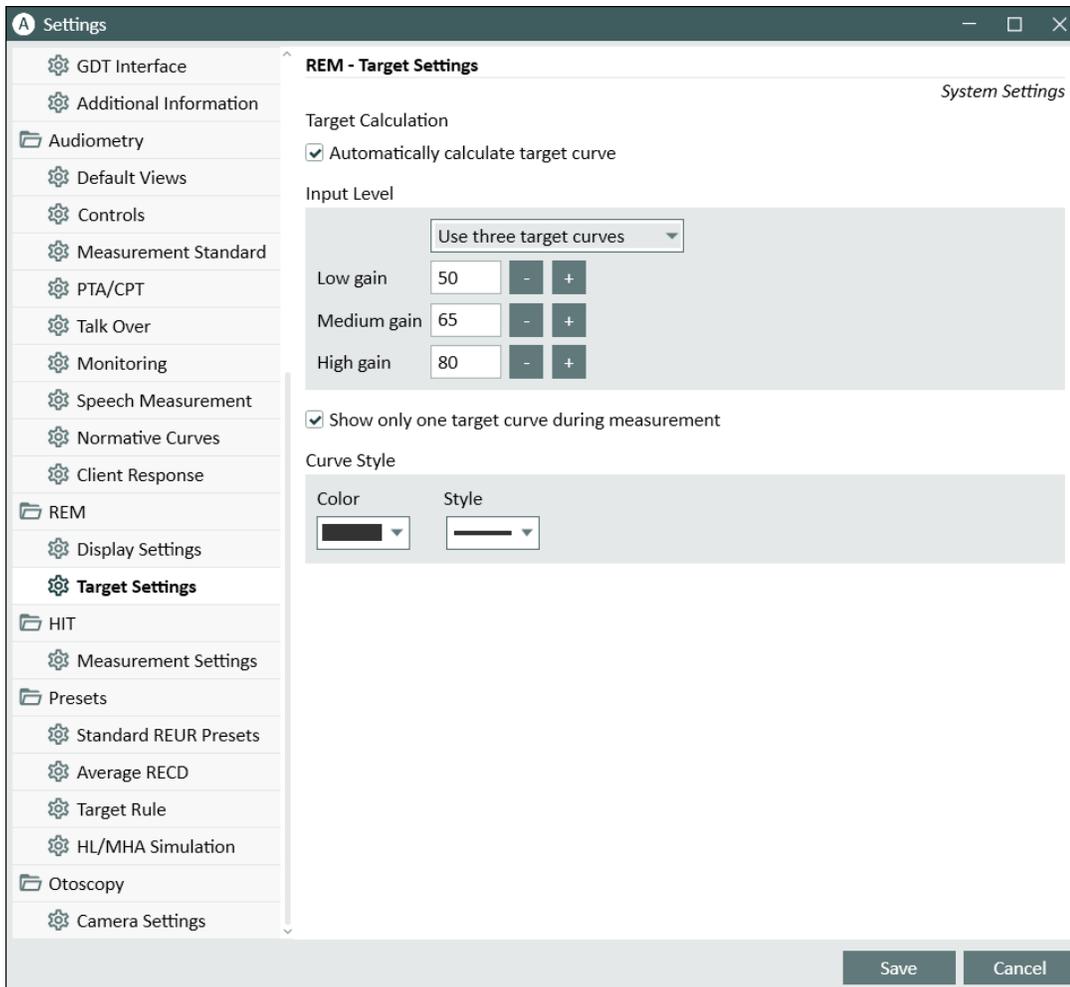
This section includes some of the new settings available in Measure 6.0.0.

## Data collection

During installation, the system will provide an option to send anonymized statistics about software usage to Auditdata A/S. Data collection is used to analyze and continuously improve customer experience. This option can be turned on/off at any time in the **Settings > Common > Data collection**.

## REM – Target Settings

If using three target curves, you can now choose only one target curve to be visible during REM and SM measurements. Select **Show only one target curve during measurement** to have only one curve visible. Clear this field to have all three curves displayed. It is now also possible to customize the color and style of the target curve.



## Reports

The following enhancements were added to the Reports settings:

- In REM/SM reports, you can now configure whether UCL and HTL, as well as Speech-ogram, will be displayed.

- In SM, you can choose to show percentile bars or percentile lines.

The screenshot shows a software interface for configuring reports. On the left is a sidebar with a tree view containing categories: Audiometry, REM, Speech Mapping, HIT, and PDF Forms. Under 'Speech Mapping', the 'Speech Mapping report' is selected. The main area is titled 'Speech Mapping report' and contains several sections of settings:

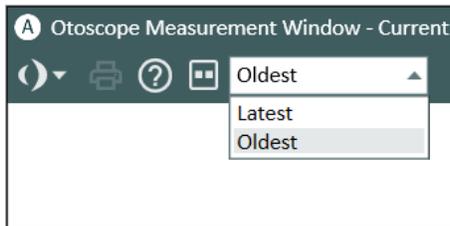
- Client Data:** Includes checkboxes for 'Show Social Security Number', 'Show Client ID', and 'Show Client name and address' (checked).
- Header:** Includes a checkbox for 'Enable header on top of the report'.
- Report Data:** Includes dropdown menus for 'Speech Mapping Response' (set to 'Show'), 'Speech Mapping Insertion Gain' (set to 'Hide'), 'Pure Tone Audiogram' (set to 'Dual'), and 'Pure Tone Audiogram Range' (set to 'Standard').
- Response Diagram Options:** A group of checkboxes: 'Show UCL and THR in response diagram' (checked), 'Show Speech-o-gram' (unchecked), 'Show Percentile Bars' (checked), and 'Show Percentile Lines' (checked).
- Other:** A checkbox for 'Use for Noah fast data view' (unchecked) and a 'Comment' text field.

At the bottom right of the main area is a 'Save as default' button. At the bottom of the dialog are three buttons: 'Preview', 'Print...', and 'Close'.

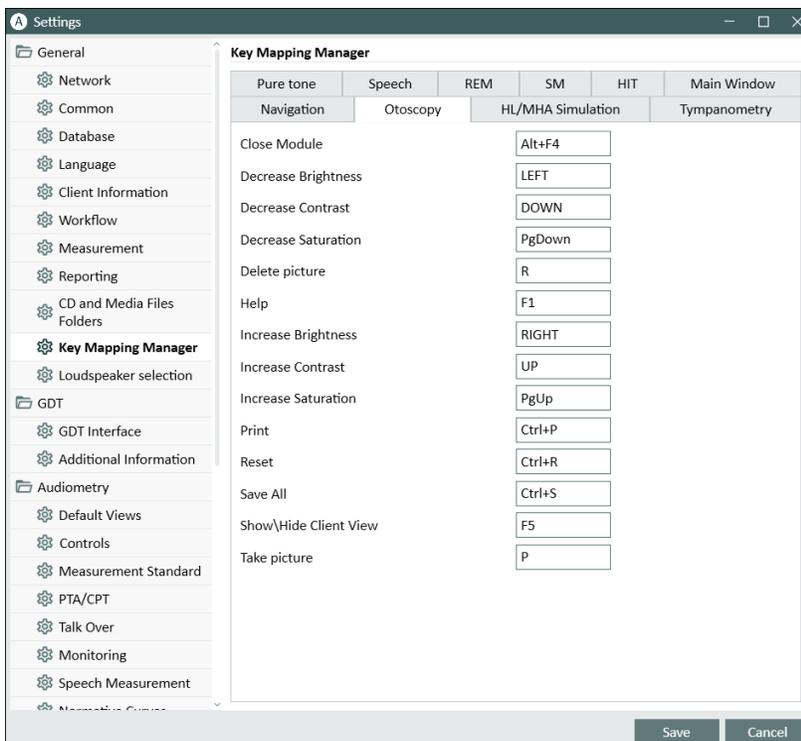
# 5 Otoscopy

These are the new features in the Otoscopy module:

- You can now have newer pictures shown on the right side of the screen. For that, choose **Oldest** from the dropdown at the top. Go back to the default setting (where newer pictures appear on the left) by choosing **Latest**.



- Print more than one picture at once by selecting multiple checkboxes or pressing Shift and left-clicking anywhere on each image.
- As an alternative to using sliders for brightness, contrast, and saturation, you can also use new shortcuts:



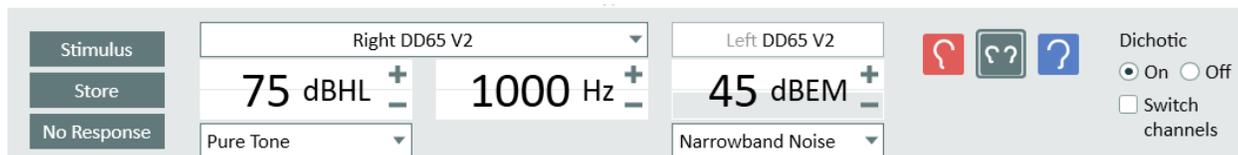
Feel free to customize shortcuts in **Settings > General > Key Mapping Manager**.

# 6 Audiometry

The Audiometry module has been enhanced with several new functions.

## Dichotic Test

You can now start a dichotic test by selecting Both Ears from the Measurement Controls panel. The dichotic test settings will appear instead of the Masking settings.



By default, the second channel sound will be played in the left ear and first channel in the right; you can quickly switch the channels by enabling the **Switch channels** option.

## New overlays: Indication area, 20 dB HL line

In the Pure Tone module, two new overlays were added:

- Indication Area - adds an indication area of 30 dB HL from 500 to 4000 Hz to the audiogram
- 20 dB HL Line - a line at the level of 20 dB HL

## Present stimulus with the mouse

It is now possible to present the stimulus and adjust the dB level with a mouse by placing the mouse pointer to a desired level and frequency and clicking and holding the left mouse button. To enable this feature, do the following:

1. Go to Tools > Settings > Audiometry > Controls.
2. Select Manual Mode in the **Pure Tone Stimulus Presenting** section.
3. Ensure that the **Allow level change during stimulus** is enabled.
4. Set the maximum level to present a stimulus when you use a mouse (by default, it is set to 70 dB).
5. Click **Save**.

## Back speaker support

It is now possible to select a Back speaker for all measurements in Speech Audiometry.

# 7 REM/SM

## Vocal Effort

The Vocal Effort feature was implemented to reflect the slightly different speech spectrum people produce depending on how loud they speak. The loud voice makes the spectrum of our speech slightly skewed. Vocal Effort takes this into consideration when the fitting target is calculated during a hearing aid fitting session.

In Measure 6.0.0, applying Loud Vocal Effort frequency distribution is now possible. It works for speech-type signals only (ICRA, ISTS sounds, etc.) You can enable the Vocal Effort adjustment only for the DSL target setup.

The screenshot shows the 'Measurement Settings' dialog box. The 'Target Rule Selection' section is highlighted, showing the following options:

- Use the same setup for both ears
- Both:
- Apply Vocal Effort
- Peak target offset, dB

Other sections visible in the dialog include:

- General Fitting Settings:** Age (input field with a red circle and '1'), Client Type (Adult),  Bilateral,  Use BCL.
- Input Level:** Use one target curve (dropdown), Input Level (65) with minus and plus buttons.
- Hearing Instrument Description:**  Use the same setup for both ears. Fields for Right and Left: HI Name, HI S/N, HI Style (BTE), Vent Size (Vent None), Compression Speed (Fast).
- HA Transition:**  HA Transition,  Show targets in HA Transition.

Buttons at the bottom: OK, Cancel.

## Cursor Lines

The Cursor Lines overlay now has a light background for better visibility.

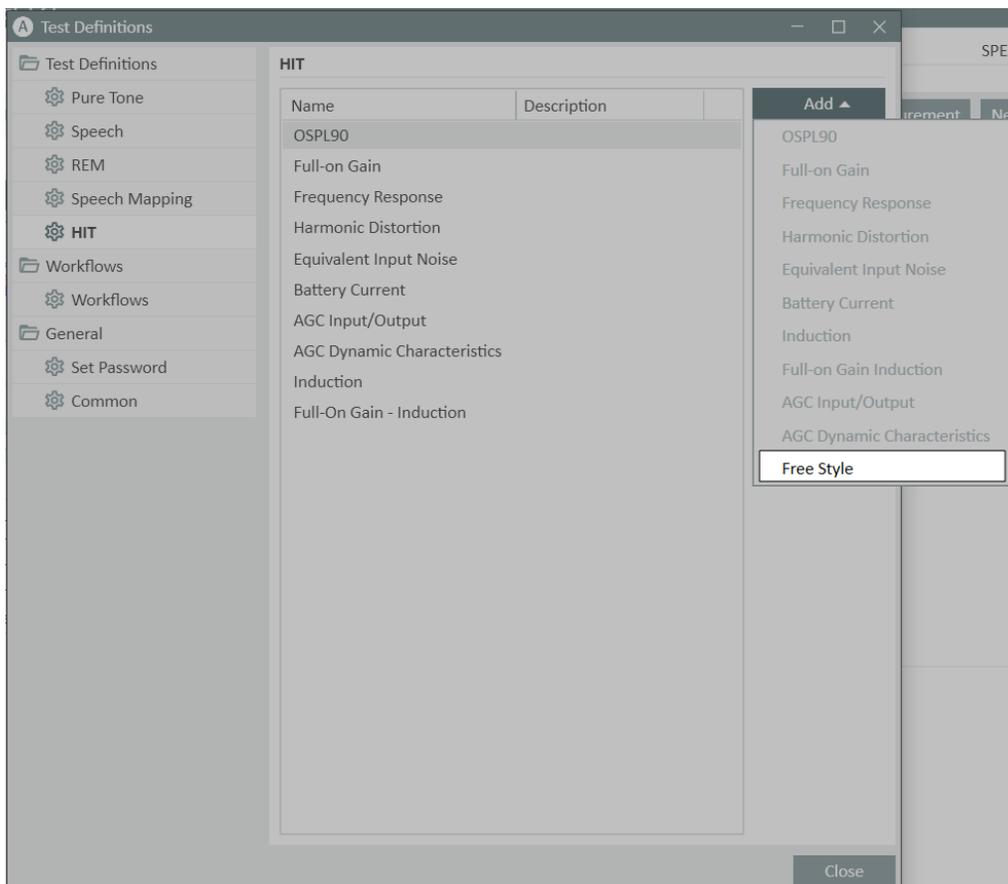


## 8 HIT

### Free Style test

Free Style test allows users to perform testing with more flexibility and use the HIT module for hearing instrument fitting. The test type supports broadband signals and signals from the Sound Library as used in the SM module. It is possible to use measurement sequence and loop function.

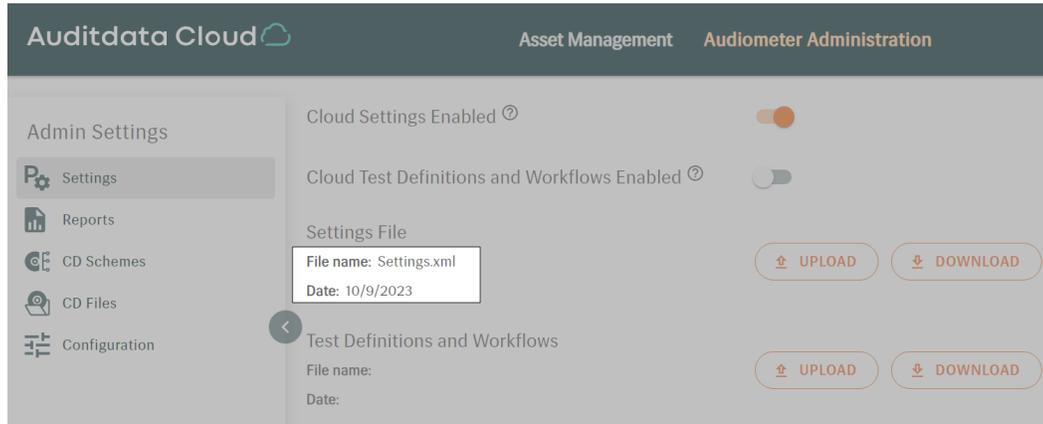
To start using the Free Style test, add it in Tools > Test Definitions > HIT.



# 9 Cloud

## Uploaded file details

In the Audiometer Administration, you can now see the file's name and upload date.



# 10 Release Notes 6.0.0

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

### New language - Portuguese

Measure is now available in Portuguese.

### Bug fixes

### 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

You must uninstall the previous version of Primus before installing Measure 6.0.0. If Primus is not uninstalled, the system will display a warning when installing Measure 6.0.0.

To uninstall Primus, use one of these methods:

**Start Menu:**

1. Click **Start** and choose Primus from the list that appears.
2. Right-click Primus and select **Uninstall**.

**Control Panel:**

1. Click on the search area in your taskbar.
2. Type "*Control Panel*," then select it.
3. Choose **Programs > Programs and Features** or **Uninstall a program**.
4. Find Primus and right-click on it.
5. Choose **Uninstall** or **Uninstall/Change** (depending on what appears).
6. Proceed through the steps from the Windows uninstaller to complete the process.

**Settings Page:**

1. Click **Start**.
2. Choose **Settings > Apps > Apps & Features**.
3. Choose Primus and click the **Uninstall** button.

After having Primus uninstalled, proceed to upgrade to Measure 6.0.0:

1. Run the set-up file: **Setup\_Measure\_6\_0\_0.exe**.
2. Follow the instructions on the screen, and your system will be updated.

# 11 Support

For further information, please visit [www.auditdata.com](http://www.auditdata.com).