



REPORT GENERATOR



USER MANUAL

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1 Introduction

1.1 Overview

As part of the Akrometrix Studio software platform, Report Generator is a graphical layout tool used for organizing 3D, 2D, and Temperature Profile graphs produced by other Akrometrix software applications. It creates multi-figure portrait-style report pages, with up to six graphs and two legends in PDF on either “Letter” or “A4” sized paper.

This manual describes the interface and functions of the Report Generator software. Report Generator may reside on the measurement equipment computer and/or on a remote computer, provided the user has the requisite USB software key.

Section 2 describes the Report Generator application and its operation. **Appendix A** describes software file formats and keyboard shortcuts.

1.1 Warnings and Precautions

1.1.1 Warnings and Notes in this Manual

Warnings and Notes are marked throughout the manual with these icons:



Figure 1.1 Warning Icon



Figure 1.2 Note Icon

Warnings are specific health hazards for the operator or potential sources of system damage. Notes highlight system limitations or automatic responses that may require corrective action by the operator for successful operation.

1.2 Technical Support

For technical support, contact Akrometrix:

Akrometrix	404-486-0880	support@akrometrix.com
2700 NE Expressway	404-486-0890 (fax)	http://www.akrometrix.com
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Atlanta, GA 30345		

When contacting Akrometrix, please provide the system serial number, the version numbers of the Akrometrix software being used, a description of the problem or question, and contact information for reply. If the question concerns a particular measurement or analysis, please provide electronic copies of the phase images, reference images, and final results and a description of data acquisition and/or analysis conditions. If the problem concerns changes or failure in general system operation, please describe any events or system modifications that occurred immediately before the problem arose.

2 Function and Operation

2.1 Installation

An Akrometrix USB software key will be necessary to complete full installation of the software.

2.2 Start Up

The program is run via the

- a) Report Generator desktop shortcut, or the
- b) Report Generator button on Akrometrix Studio Manager, or the
- c) **Start→Programs→Akrometrix→Report Generator** shortcut.

If the application is being run for the first time, the user is notified that the configuration file is missing and a new file containing default values is created.

2.3 Overview

- The left side of the user interface is equipped with two explorer-type windows for folder and file browsing.
- The right side of the interface contains the report page layout, which consists of eight (8) numbered image locations and nine (9) textboxes.
- The first six (6) image locations are designed to hold *_3D, *_ctr, *_dia, *_crd, and *_out image files. The 7th and 8th locations can display 2D and 3D legend image files, respectively.
- The textboxes support the **Main Title**, **Secondary Title**, individual **Image Titles**, and **Footer** text for each page.
- As pages are added to the report, page navigation is accomplished with the Previous Page / Next Page (< >) buttons found at the top of the screen (at the left and right sides of Image 7).
- The current page and total number of report pages are indicated at the bottom right of the screen below the footer text.
- The current Paper Size setting is displayed in a panel beneath the file browsing window at the bottom left of the screen.

2.4 Adding Page Contents

- Images are added to a report page by dragging and dropping a selected image file from the File Browser window onto the desired destination image location.
- If multiple files are selected (using **Ctrl** or **Shift**, image locations are filled in numerical order (starting with the dropped destination location) according to the file selection order.
- If the Alt key is pressed and held during the drag and drop operation, the image filename (without its file extension) is assigned to the corresponding image location title text.

- Individual image locations are also assigned by right clicking on the location and selecting **Load Image...** from the popup menu that appears. A standard Windows Open File dialog box is shown allowing the user to select a file.
- After an image has been assigned to a particular location, its filename pops-up in a tool tip whenever the mouse pointer is paused over the image.
- The selected image (outlined in blue) can be viewed full-size by pressing Enter or double clicking on the image location. The full-size view is closed by pressing Enter, clicking on the image, or pressing "X" at the upper right of the screen.
- In addition to entering new text, the textbox controls allow the user to select previously entered text from the pull-down list. Typed text is added to the list whenever a textbox loses its focus or Enter is pressed.
- The current font associated with a particular text location is displayed in a Tool Tip whenever the mouse pointer is paused over the textbox pull-down arrow.

2.5 Editing a Report

- The **Edit** menu allows the user to **Add**, **Insert**, and **Delete** report pages as needed. A new blank report can also be started.
- Individual images can be easily moved within the same page. Pressing and holding the Alt key allows location contents to be dragged and dropped using the mouse.
- Image locations are also manipulated with the secondary (right-) mouse click popup menu allowing Cut, Copy, Paste, Delete, and Clear operations.

2.6 Saving the Report

After all report pages have been assigned, select **File→Save Complete Report...** from the top of the screen or use the **Ctrl+S** shortcut. A standard Save As dialog box prompts the user to specify a path and filename for the report. After clicking Save, the software automatically generates the report file and notifies the user when completed. Alternately, the current page can be saved as its own file by selecting **File→Save Current Page...**

2.7 Program Settings and Customization

The **Options...** menu opens a window listing the program options available to the user. Refer to the corresponding descriptions given below the property table for more information about each parameter. These parameters are saved each time the application is closed and recalled upon restart.

Appendix A - Miscellaneous Information

A.1 File Formats

Akrometrix Report Generator saves reports as .pdf documents. Image import formats include: .bmp and .jpg.

A.2 Keyboard Shortcuts

Ctrl+S	Save Complete Report
Alt	1) while dragging images into report, hold down to insert image filename into corresponding image text box; 2) hold down to click and drag images within report page
Enter	when an image location is in focus, click to view full size image; click again to close full size view