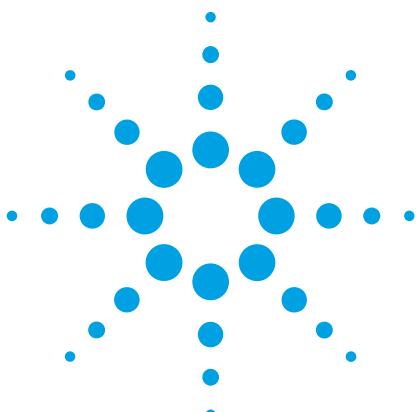**Agilent 35639A**

Data Viewer

Demo Disk Setup Instructions

What is the Agilent 35639A?

This program allows you to examine measurement results on your personal computer, generate reports and automate the printing of your data. Using the Microsoft® Windows® Clipboard it is also easy to move text or graphics to your favorite Windows programs for additional analysis or presentation features. You may also read in data and restore it to other supported formats.

This demonstration version is a fully featured 35639A. The limitation is that the program can only read the supplied data files. These files represent a broad range of measurements from digital communication to vibration analysis. The sample files are stored in Agilent's Standard Data Format (SDF). The actual 35639A reads stored data files from a variety of file formats including SDF, VEE, 3562A/63A and ASCII text.

Installation of the Agilent 35639A

Minimum Personal Computer Requirements:

- MS-DOS® 5.0 or later
- Microsoft Windows 3.1 or later
- 2 Mbytes free disk space

Installation Procedure

NOTE: You must be running Microsoft Windows for this procedure.

Insert 35639A disk in drive. (Usually A:)

In Microsoft Windows select File menu, menu item Run.

In the RUN dialog box. enter *A:SETUP* in the command line and click on OK.

The Installation procedure will take less than 5 minutes. Any special instructions will appear on your PC screen during the process. The program will create a 35639A Program Group containing the Data Viewer software and this README document.

How to get a fully operational 35639A Data Viewer

When you run the 35639A you will first see a brief reminder that this is a DEMO version. If you decide to purchase the 35639A call Agilent Technologies directly at 1-800-452-4844. You will need to ask for the location and phone number of your nearest Agilent Technologies Test & Measurement Sales Office.

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Getting help with the Agilent 35639A Data Viewer

The 35639A has a full set of on-line Help text for you to use. We encourage you to browse through the Help text anytime you have a question. If you select any term, icon or program feature with the cursor and then press F1 you will be shown the corresponding help text. This is a great way to explore the features of the program.

Getting Started: Opening a display window

In order to use the 35639A it is helpful to envision the program display as a virtual desk top. In order to put data on the desk top you must get a piece of paper (presentation window) to write on. The 35639A allows you to choose between two data presentation windows: TRACE or PAGE.

TRACE and PAGE windows

The choice of TRACE or PAGE is seen when you select the File menu and menu items New or Open. A trace window contains a single trace which always fills the current 35639A display. A page window is an image of the printed page, with traces, user text, and user lines placed at specific places on the page.

A trace window contains a single trace of data. Data is displayed on the trace by reading it from a file (menu selection Open Data in the File menu). There is a graphical shortcut to these steps: Simply click on the "open file" button on the left side of the screen. This lets you select a data file and automatically creates a trace window. It's a quick and easy way to browse through the files. By dragging the cursor across multiple file names you can swiftly open a cascade of trace windows on the screen. The trace is always sized to exactly fit the trace window. Many

features of the trace may be customized. The Trace menu allows you to select exactly how the data appears in the trace. A trace window best fits your needs if you open multiple files or print with no user text or lines.

A page window can contain many traces of data. A page can also contain user-drawn lines, arrows and user-entered text. The page is a representation of an actual hard copy page. The size of the page is specified with the menu item Page Setup in the Format menu. The scroll bars on the bottom and right side of the window allow you to navigate through the page. The choices in the View menu allow you to see the whole page or just part of it. A page window best fits your needs if you print or copy graphics with multiple traces per page.

Example exercises:

These exercises can help you become familiar with the 35639A. They should take no more than 15 minutes to work through. Please enjoy them and this program with our compliments.

1: Open a trace window

This example will demonstrate how to open a trace window and place data in the window. Start the 35639A program and then Click on the "open file" button (the opening folder) on the left side of the screen. When the OPEN dialog box appears, click on the file "frf.dat" and then click on "OK." A trace labeled Frequency Response will appear on a newly created trace window.

2: Placing markers on a trace

This example will demonstrate how to turn on the marker function and add multiple markers to a trace. With the trace from Example 1 on the screen click the multiple marker button on the toolbar. (This button is the one with two small diamonds and two arrows.) A Multiple Markers dialog box will appear. In the "Quantity" field select the down arrow and highlight the option "3 Markers." A Marker setup menu will appear. In this menu activate the Peak Search option and click on "OK." Three markers will appear on the trace.

3: Creating and saving a page

This example will show how to create a page with 6 traces and save it. If you have any traces currently on the screen you can erase them by selecting the Window menu, menu item Close All. To create a new page select File menu, items New, Page. Now define the page format by selecting Format menu , item Layout Traces. A Layout Traces dialog box will appear. Enter "3" rows and "2" columns. In the Page Title box type "Example 3: Trace Title" (or any title you wish.) Click on "OK" and your page will appear. To save your page select File menu, items Save As, Page.

Enter a filename and click on "OK." Your page will be saved. If you wish, you can save your page as the default page using File, Save As Default. The 35639A will then open your page automatically at start up. Any pages you develop with this demo version can be used with a purchased fully operational 35639A.

4: Reading data into a page

This example will demonstrate how to read data into a page. Position the cursor on one of the traces on the page from example 3. Click the mouse once to activate that trace. Now select the "open file" button on the left side of the screen and read any data file you want into the active trace. Move the cursor to another trace and repeat the process. Repeat this until all 6 traces have data in them.

5: Using context sensitive HELP

This example will show you how to use context sensitive help. Open the File menu and select items Save As, Page and then press F1. Can you save the Page and the Data together?

We encourage you to explore the features of the 35639A with this program. Transferring data to other programs and creating custom pages are operations we suggest you try next.

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Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

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