

FLUKE®

FlukeView®

Software for ScopeMeter® Test Tools

Users Manual

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Introduction

FlukeView® software works with your ScopeMeter® Test Tool. With FlukeView you can:

- Document: Transfer screens, waveforms, and measurement data from the ScopeMeter Test Tool to your PC to print, or to import data to other programs.
- Archive: Store and retrieve waveforms with text annotations and create your own library for easy reference and comparison.
- Analyze: Gather valuable measurement data and enable cursor measurement to reveal relationship and conditions.

The setup program installs the FlukeView software on PCs that operate on Windows 7 or later.

How to Contact Fluke

To contact Fluke, call one of the following telephone numbers:

- Technical Support USA: 1-800-44-FLUKE (1-800-443-5853)
- Calibration/Repair USA: 1-888-99-FLUKE (1-888-993-5853)
- Canada: 1-800-36-FLUKE (1-800-363-5853)
- Europe: +31 402-675-200
- Japan: +81-3-6714-3114
- Singapore: +65-6799-5566
- Anywhere in the world: +1-425-446-5500

Or, visit Fluke's website at www.fluke.com

To register your product, visit <http://register.fluke.com>

To view, print, or download the latest manual supplement, visit <http://us.fluke.com/usen/support/manuals>

Installation

To install FlukeView:

1. Insert the CD ROM into the CD ROM drive.
2. Run SETUP.
The setup program starts up.
3. Follow the on-screen instructions to complete the installation.

Software Activation

Your purchase of a ScopeMeter Test Tool includes FlukeView software that is a demo version with limited capabilities. When the demo version of FlukeView opens, the Activation dialog opens and prompts for an activation key.

To activate the software for the full version or continue with the demo version:

1. Type your 15-digit activation key in the Activation dialog box.
Fluke provides the activation key with the purchase of FlukeView software.
2. Select **Activate** for the full functionality of FlukeView.
3. If you do not have a key, select **DEMO** to continue to use the demo version with limited functionality.




ScopeMeter Test Tool Connections

FlukeView software communicates with the ScopeMeter Test Tool through WiFi or the optional optically-isolated USB cable, OC4USB. See Figure 1. Also see the *123B/124B/125B ScopeMeter Test Tool Users Manual* for more information.

1 To use with WiFi:

1. Turn on WiFi in the ScopeMeter Test Tool.

Note

Fluke 120B Series: Push  +  to turn on the WiFi.  shows in the Information area.

2. Use the SSID of the ScopeMeter Test Tool to establish a WiFi connection to the PC.

Note

If the PC is connected by WiFi to a wireless access point providing Internet access, this connection is lost when you connect to the test tool.

3. Select **Connect**.

2 To use with USB:

1. Connect the PC with the optional OC4USB cable.

When using this cable for the first time, the FTDI driver for the cable automatically installs. The driver installation requires an Internet connection. This driver is the Virtual Com Port driver available on www.ftdichip.com.

2. Select **Connect**.

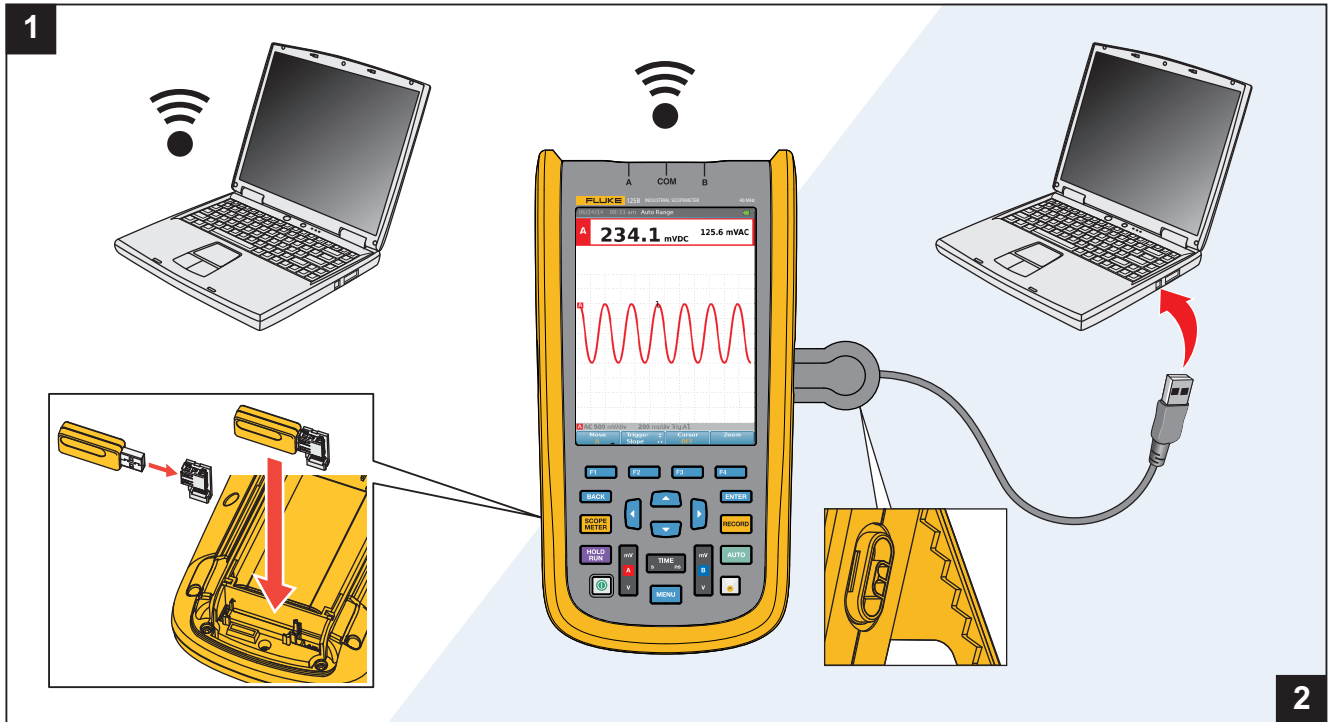


Figure 1. ScopeMeter Test Tool to PC Communication

At startup, FlukeView automatically tries to make a connection with the ScopeMeter Test Tool. An icon for the instrument shows at the top of the window if the connection is successful and the test tool is connected. See Figure 2, item ❶.

If you do not see the icon, this automatic connection is not successful. Click **Connect** to make the connection with the ScopeMeter Test Tool.

Overview

FlukeView software enables you to read data from the ScopeMeter Test Tool. Data is transferred from the test tool as a “Measurement Group” that consists of these components:

- Screen

This is bitmap data from the ScopeMeter Test Tool screen in pixel-format that you can print or copy to another program. You can include the picture in documents and reports.

- Waveform

This is sampled data with time information on the x-axis and amplitude values on the y-axis. You can analyze this data in more detail on the PC and copy it to another program as tabular text (.csv file format) information.

- Setup

This is binary data that represents all of the settings of the ScopeMeter Test Tool. You can send the Setup data back to the test tool to put it in the same state as when the setup was saved.

Main Window

The main window is an overview of all the Measurement Groups since the start of the program and all items that have been stored to the database. See Figure 2.

Each Measurement Group can have a screen, waveforms, and a setup. Icons shown below the Measurement Group indicate what is included. The icon is gray, if the data component is not included.

The most recent Measurement Group shows on the top left portion of the window. See Figure 2, item ❷.

Tips:

- Double-click on the Measurement Group or click **Analyze > Overview**.
- To select multiple groups, hold the **Shift** key or **Ctrl** key and click.

Note

For touch screens, use the touch conventions that correspond with mouse functions.



Figure 2. FlukeView Main Window

Menu

Use the menu buttons on the left toolbar to access the FlukeView functions. See Figure 2, item ③.

Table 1 is a list of the menu items and functions.

Table 1. FlukeView Menu Functions

Menu	Sub-menu	Description
Home	---	Go to the main window.
Connect/ Disconnect	---	Connect/Disconnect the PC with the ScopeMeter Test Tool. The label changes to show the current status.
Open	From Instrument	Transfer the screen, waveform, and setup information from the ScopeMeter Test Tool to the PC.
	From File	Open a stored screen, waveform, and setup information from selected file.
Save	To Instrument	Transfer the setup data to the ScopeMeter Test Tool.
	To Database	Save the selected Measurement Groups to the database. When this data is stored to the database, the information is retrieved easily with the Filter settings on the bottom of the main window.
	To File	Save the selected Measurement Groups to a FlukeView 2 file, export a screen to a .bmp file, or export waveform data to a .csv file.
Copy	Screen	Copy screen information as a bitmap to the clipboard.
	Waveform	Copy waveform data as tabular text data to the clipboard.

Table 1. FlukeView Menu Functions (cont.)

Menu	Sub-menu	Description
Print	Screen	Print the screens of selected Measurement Group. The Additional Info and Description print as well.
	Waveform	Print the waveforms of the selected Measurement Group. Additional Info and Description prints as well.
Analyze	Overview	Shows selected Measurement Groups in more detail and allows you to add Additional Info and Description. Double-click on the waveform to select Analyze Waveform. Double-click on the screen to see a larger screen display.
	Waveform	Shows selected waveforms of the Measurement Groups and allows you to zoom the data and show the cursors on the waveform.
Log	---	Log the meter readings over time. The logged readings are stored in the same way as the waveform data.
Configuration	---	Change the language or color scheme. To activate the change: 1. Select Save . 2. Restart the application.
Help	About	Shows the version information for the software.
	Manual	Opens a PDF of the users manual.
Exit	---	Close the FlukeView software.

Filter

On the bottom of the screen you can select a filter to limit the amount of Measurement Groups that are visible in the main window. See Figure 2, item 4.

Use **Start** and **End** to select the date range of the items that show in the main window. See Figure 2, item 5.

Check the **Unsaved Only** option to show only the items that are not yet saved to the database. See Figure 2, item 6.

The Drop down list on the left of the Filter settings allows you to filter on Measurement groups with “Additional Info.” See Figure 2, item 4.

As an example:

1. Select **Company Name** from the drop down list.
2. In the field below the text, enter “Enterprise.”

This shows the Measurement groups with the text “Enterprise” in the Additional Info field.

Note

Go to Analyze Overview to enter Additional Info.

Basic Operation

The screen, waveform data, and setup show as a Measurement Group in a small window on the main window.

To transfer the data as a Measurement Group from the ScopeMeter test tool to the PC:

1. Select **Open > From Instrument**.
2. Select **Active**.

USB only: To transfer Measurement Groups that are stored in the internal memory of the ScopeMeter Test Tool:

1. Select **Open > From Instrument**.
2. Select **Saved**.

To view a Measurement group in more detail:

1. Double click the Measurement Group or select **Analyze Overview**.

You can add a description about the measurement for later reference and printing:

1. Click on the small arrows next to Additional Information.
2. Type in a description to add information to the measurement.

Screens

To copy the screen as a bitmap to the clipboard, for example, to paste into a report:

1. Select a Measurement Group.
2. Select **Copy > Screen**.

You can now paste from the clipboard into another application.

To print screens from the selected Measurement Groups, select **Print > Screen**. The selected screens print and include Additional Information and Description.

To see a screen in more detail:

1. Double-click a Measurement Group in the main window.
2. Double-click the screen to open a larger view of the screen.

Waveforms

To copy the waveform data as tabular text information to the clipboard, for example, to paste into a spreadsheet:

1. Select a Measurement Group.
2. Select **Copy > Waveform**.

To see the waveform data in more detail:

1. Double-click the Measurement Group.
2. Double-click the waveform to see a larger view of the waveform. Or, select **Analyze Waveform**.
3. Click and drag the axis that corresponds to a waveform to move the waveform up and down.

To view cursor readings and waveform information:

1. Select the **Cursor** button in the Analyze Waveform window.

The Datablock on the right side shows waveform information and the Cursor values section shows the information about the cursor readings.

2. Click and drag to move the cursor.

When two waveforms show on the display, click the waveform to select the waveform for the cursor readings.

To zoom in on the waveform:

1. Select **Zoom**.
2. Click and drag with the mouse inside the graph.
3. Click **Zoom** again to exit the zoom function.

To compare waveforms from two Measurement Groups:

1. In the main window, select two Measurement Groups.
2. Select **Analyze > Waveform**.
3. Select both Measurement Groups in the bottom of the window.

The waveforms of both Measurement Groups are shown.

How to Work with Setups

A Setup is binary data that represents all of the settings of the ScopeMeter Test Tool. This data is not visible.

To configure the ScopeMeter Test Tool in the same state as when the Measurement Group was transferred, select

Save >To Instrument > Setup.

Save Data to File

To save Selected Measurement Groups to a file:

1. Select **Save > To File**.
2. Enter a name for the file in the File Name box.
3. Select .CSV to save only the waveform data to the file. Or, select .BMP to save only the screen data to the file.

To save Measurement Groups to a database for easy access, select **Save > to Database**. The Measurement Group is saved to a database of measurements. With the database, you can easily retrieve information. Use the Filter settings to limit how many Measurement Groups show in the main window.