



Smart Class 4800/4800P Quick Start Guide

Thank you for purchasing a Smart Class 4800 or 4800P. This guide provides information on how to get started testing with the instrument.

Unpacking and inspecting the components

Before using the instrument for the first time, please inspect the unit and components to verify that no damage occurred during shipping.

When unpacking the components, verify that all the items you ordered are included in the package. Accessories may be shipped in a separate box. After you unpack the components, examine the connectors, ports, LEDs, and screen for damage. Be sure to check the top, bottom, and front panels. If you find damage, contact Viavi Customer Care at 1-844-GO-VIAMI (+1-844-468-4284) or at www.viavisolutions.com. If you don't find any damage, consider saving the box and packing materials.

About the Smart Class 4800 and 4800P

The Smart Class 4800 and 4800P instruments are designed to be rugged, portable, battery-operated test solutions that facilitate the quick turn-up and troubleshooting of multiple services and network elements in the Metro and Core network.



Figure 1 Smart Class 4800

Powering the instrument

Power is supplied by the battery or the AC power adapter provided with the instrument that was shipped to you.

Turning the instrument on or off

To turn the power on or off:

- Press the **ON/OFF** key.

If powering up, power key illuminates green.

If powering down, you must press the **ON/OFF** key for one second. After the confirmation message appears, select **Yes** to power down. The instrument saves the current settings and then shuts down. The next power up will return to the last test running.

NOTE:



Pressing the power button for more than four seconds causes a hard shut-down. The current settings are not saved. The next power up launches the first available test.

Charging the battery

In most instances, the battery charges automatically when you supply power to the unit using the AC power adapter.

Exploring the Smart Class 4800 and 4800P

The connector panel of the SC 4800 provides the internal connectors and SFP connectors used to connect the instrument to the circuit for testing. After selecting a test application, LEDs illuminate indicating which connectors to use for your test. [Figure 2](#) and [Figure 3](#) on page 3 show the connector panels for SC 4800 and 4800P respectively. Refer to “Exploring the T-BERD/MTS 5800 and SC 4800” in the *Getting Started Guide* for detailed connector specifications.



Figure 2 Connector panel, top of SC 4800



Figure 3 Connector panel, top of SC 4800P

Navigating the user interface

The user interface lets you set up the instrument, configure tests, and display test results. See [Figure 4](#)

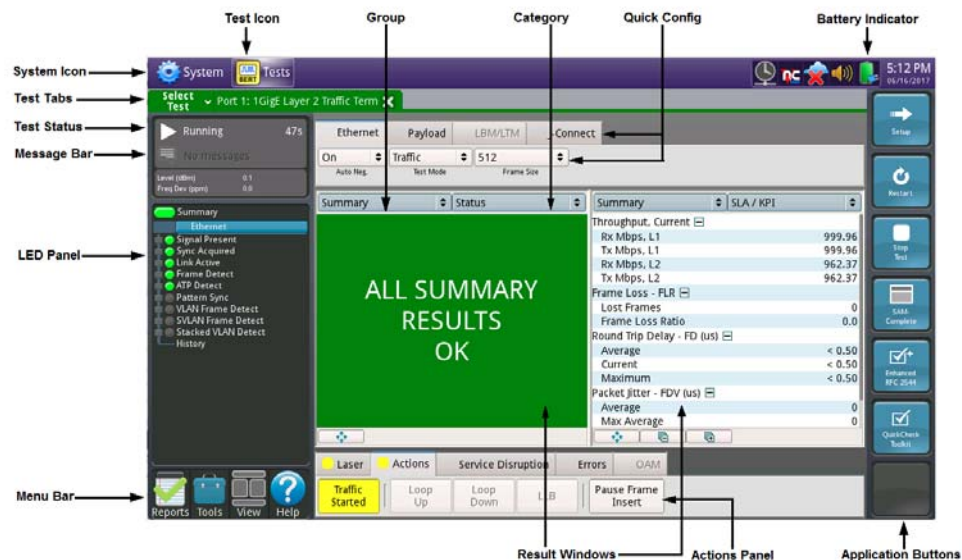


Figure 4 Main screen (Ethernet application)

System and Test Icons

- Use the **System** icon to access the system settings (such as setting the date and time, and managing files).
- Use the **Test** icon to access the test applications.

Menu Bar

The menu bar provides the following icons: Reports, Tools, View, Help.

Test Tabs

The test tabs appear near the top of the Main screen.

Test Status

The test status of the *currently selected* test is displayed in the upper left. Icons similar to a DVD or audio player indicate the status: the “Play” icon indicates a test is running; “Pause” appears when running a delayed-start timed test, and “Stop” appears when the test is stopped.

Application Buttons

The buttons located on the right side of the graphical user interface allow access to the setup screens, restart tests, and perform other functions specific to your test application.

The top button (**Setup/Results**) is used to toggle between the Setup screens and the Main (Result) screen. When the Main screen is displayed, the **Setup** button appears; when the setup screens are displayed, the **Results** button appears.

A **Restart** button is also provided which allows you to restart a test (and clear results). Additional buttons appear when appropriate for the test application you select. For example, if you select a Layer 4 Multiple Streams Ethernet application, a **Toolkit** button is provided which allows you to run a variety of scripts designed to simplify testing.

For descriptions of setup parameters, refer to the testing manual.

Message Bar

The message bar displays the current test application selected on the unit.

If your instrument is configured with two ports for a particular rate, the currently selected port also appears at the beginning of the message.

Various other messages may appear briefly, for example, to alert you that loop ups are successful. You can display a log of messages by selecting the message area.

Quick Config Settings

After you select a test application (using the Test menu), Quick Config tabs appear under the Test Tabs, with key settings required to configure your test. For example, if you selected the **1GE -> Layer 2 -> Traffic -> Term** application, quick configuration settings appear that allow you to easily select **Auto Negotiate**, **Test Mode**, and **Frame Size**.

LED Panel

The LEDs in the panel to the left of the Results Windows help you determine whether a signal is present, pattern synchronization has been achieved, and other key events when performing tests.

You can collapse and expand an LED panel by tapping the panel name (for example, Ethernet).

For descriptions of each of the LEDs, refer to the Test Results chapter in the testing manual that shipped with your instrument.

The round LEDs on the inside column provide the current state of the key event; the square LEDs on the outside column provide the historical state (in other words, the event occurred in the past).

Green LEDs indicate an event occurred as expected, yellow LEDs indicate that an event occurred that warrants additional investigation, and red LEDs indicate that an error, anomaly, alarm, or defect has occurred.

Actions Panel

After you select a test application (using the Test menu), an Actions Panel appears under the LED display that provides tabs with the buttons required to perform your test. The buttons available vary depending on the test application you select. For example, buttons may appear that allow you to start and stop transmitting Ethernet traffic, and start and stop a local loopback.

A blinking circle on a tab indicates that some action is required on your part. For example, if you are running a BERT test, the Actions tab may blink indicating that you need to start transmitting the BERT pattern.

If you select a test application for an optical rate, a Laser / Tx Signal tab also appears, with buttons that allow you to select an SFP connector for the test (if appropriate), and turn the laser on and off.

Results Buttons

Group and Category buttons are provided at the top of each result window. The Group button on the left allows you to select the type of results you want to observe (for example, Summary results); the Category button on the right allows you to select a specific results category for the group you specified. By selecting a different group or category for each pane, you can view multiple sets of results at the same time.

Results Windows

The test results appear in Result Windows.

Errors are highlighted in red; other results appear in black.

You can change the layout of the Result Windows using options provided on the View menu. You can also choose to show just test results on the main screen by selecting **View > Show Only Results**.

For test result descriptions, refer to the Test Results chapter in the Testing Guide for the interface you are testing.

Additional Documentation

For more detailed information on using the T-BERD/MTS/SC family of testers, please refer to the manuals on the USB memory stick, included in the shipment.

T-BERD/MTS/SC Getting Started Guide

T-BERD/MTS/SC Ethernet and Fibre Channel Testing Manual

T-BERD/MTS/SC SONET/SDH, OTN and PDH Testing Manual



Viavi Solutions
1-844-GO-VIAVI
www.viavisolutions.com