

Installation Note

Agilent Technologies ESA-L Series Spectrum Analyzers Color Display (Option 049) Retrofit Kit



Agilent Technologies

Part Number E4403-90039 Supersedes: none

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Notice.

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Color Display (Option 049)

Products Affected:	ESA E4403B ESA E4408B ESA E4411B
Serial Numbers:	US00000000/US99999999
Options:	049
To Be Performed By:	(X) Agilent Service Center (X) Personnel Qualified by Agilent (X) Customer
Estimated Installation Time:	0.25 Hours

Introduction

This kit contains the parts and instructions to install the Option 049. No tools are required.

Installation Kit Parts List

Item	Description	Item Number
1	Color Display Installation Note	this note
2	Option Upgrade Entitlement Certificate	---

Procedure

CAUTION Electrostatic discharge (ESD) can damage or destroy electronic components. All work on electronic assemblies should be performed at a static-safe workstation. Refer to the documentation that pertains to your instrument for information about static-safe workstations and ordering static-safe accessories.

Firmware Revision Verification

1. Turn on the analyzer and wait for the power-on alignments to complete. Check that there are no error messages displayed.
2. Press **System, More, Show System**. Make a note of the firmware revision and see if Option B72, Expansion Memory, is listed on the display.
3. If the firmware revision is A.11.00 or later, the firmware does not need to be upgraded and you can skip steps 4 through 6.
4. If your firmware revision is prior to A.11.00, you must upgrade your analyzer firmware before the license key can be activated.
5. If Option B72, Expansion Memory *is* installed, you should upgrade the instrument firmware to the latest version using one of the following methods:
 - Download the instrument firmware via the world-wide web at http://www.agilent.com/find/esa_firmware. This entire process of upgrading firmware will take approximately 45 minutes.
 - Receive the latest firmware upgrade disk set by ordering upgrade Option UE2.
Note: Special instructions in the Agilent ordering configurator should have made you aware of Option UE2 in case access to the internet wasn't available.
6. If Option B72, Expansion Memory is *not* installed, you must order upgrade Option B72, which includes the expansion memory and the latest ESA firmware upgrade disk set.

Obtaining a License Key and Activating the Option

The entitlement certificate supplied in this kit allows you to obtain a license key from our Agilent website so you can enable this upgrade option. Once you have retrieved the license key, you can begin the process of activating the option.

1. Press **System, More, More, Licensing, Option**. When you press **Option**, the alpha editor will be activated. For instructions on using the alpha editor, refer to the *Agilent Technologies ESA Spectrum Analyzers User's Guide*.
2. Use the alpha editor to enter the three-character designation for the option, in this case, "049", that you want to activate.
3. Press **Enter** when done.
4. Press **License Key**. When you press **License Key** the alpha editor will be activated.
5. Use the alpha editor and the numeric keypad to enter the 12-character license key number (for example: D7C374DABD5B) for the option that you want to activate.
6. Press **Enter** when done.
7. Press **Activate** to turn on the option.
8. If the option and license key entries were correct, a message stating "Option Activated" will appear on the analyzer display.

Functional Testing

1. Press **System, More, Show System** to verify existence of Option 1DR.
2. Press **Preset**, then press **Factory Preset**, if displayed. Verify that the trace is now yellow in color.