

# Installation Note

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## Licensed Functionality Upgrade Kit

**For ALL License-Enabled Options**

**For All N5230 PNA-L Series Network Analyzers**

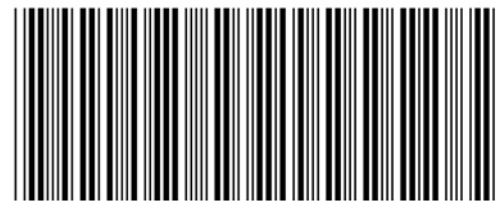


**Agilent Part Number: N5230-90003**

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N5230-90003

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## Contacting Agilent

Assistance with test and measurements needs and information on finding a local Agilent office are available on the Web at:

[www.agilent.com/find/assist](http://www.agilent.com/find/assist)

If you do not have access to the Internet, please contact your Agilent field engineer.

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### NOTE

In any correspondence or telephone conversation, refer to the Agilent product by its model number and full serial number. With this information, the Agilent representative can determine whether your product is still within its warranty period.

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## About Installing the Upgrade Kit

Products affected . . . . .	All N5230 PNA-L series analyzers and all options
Installation to be performed by . . . . .	Agilent service center, personnel qualified by Agilent, or customer
Estimated installation time . . . . .	5 minutes
Estimated verification time . . . . .	5 minutes

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## Items Included in the Upgrade Kit

Check the contents of your kit against the following list. If any item is missing, contact Agilent Technologies. Refer to [“Contacting Agilent” on page 3](#).

**Table 1 Contents of Upgrade Kit**

Quantity	Description	Part Number
1	Installation note (this document)	N5230-90003
1	Option entitlement certificate	5964-5145

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## List of Upgrades to Which This Installation Note Applies

This installation note applies to all of the upgrades in the following list. Do not be alarmed if your upgrade does not appear in the list. Additional upgrades may have been introduced since this document was printed.

If your upgrade kit contains only an Option Entitlement Certificate and this installation note, the instructions contained in this document will allow you to install your upgrade.

- 010 - Time domain
- 080 - Frequency offset
- 082 - Scalar-calibrated converter measurements
- 550 - 4-port measurement application
- 551 - N-port capabilities

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## License Key Redemption

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**NOTE** The enclosed Option Entitlement Certificate is a receipt, verifying that you have purchased a licensed option for the PNA of your choice. You must now use an Agilent Web page to request a license key for the instrument that will receive the option.

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To enable the option product(s), you must request license key(s) from: <http://www.agilent.com/find/softwarelicense>. To complete the request, you will need to gather the following information:

- From the certificate
  - Order number
  - Certificate number
- From your instrument(s)
  - Model number
  - Serial number
  - Host ID

The instrument information is available on the network analyzer – on the analyzer’s **Help** menu, click **About Network Analyzer**.

If you provide an email address, Agilent will promptly email your license key(s). Otherwise, you will your receive license key(s) via postal mail.

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# Installation Procedure for the Upgrade Kit

## Installation Requirements

- The network analyzer must be in proper working condition prior to installing this option. Any necessary repairs must be made before proceeding with this installation.
- This installation does not require removal of the analyzer's protective outer covers.
- The analyzer must be powered up and operating to perform this installation. The Network Analyzer program must be running.
- This installation requires that a keyboard and a mouse be connected to the network analyzer.

## Verify the Serial and Option Numbers

Refer to the License Key Certificate:

- Verify that the analyzer's model and serial numbers match those on the certificate.

If the model number, serial number, or option number do not match those on your License Key Certificate, you will not be able to install the option. If this is the case, contact Agilent for assistance. Refer to [“Contacting Agilent” on page 3](#).

## Enable the Option

1. On the analyzer's **System** menu, point to **Service**, and then click **Option Enable**.
2. In the **Select Desired Option** list, click the option listed on your License Key Certificate. For example, click **080 - Frequency Offset**.
3. Using the keyboard, enter the keyword in the box provided. The keyword is printed on the License Key Certificate. Enter this keyword *exactly* as it is printed on the certificate.
4. Click **Enable**.
5. Click **Yes** in answer to the displayed question in the **Restart Analyzer?** box.
6. When the installation is complete, click **Exit**.

## Verify that the Option is Enabled

Once the analyzer has restarted and the Network Analyzer program is again running:

7. On the analyzer's **Help** menu, click **About Network Analyzer**.
8. Verify that the option you enabled is listed after “Options:” in the display. Click **OK**.

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### NOTE

If the option has not been enabled, perform [“Enable the Option” on page 6](#) again. If the option is still not enabled, contact Agilent Technologies. Refer to [“Contacting Agilent” on page 3](#).

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