

Installation Guide

# Keysight N1500A Materials Measurement Suite

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## Certification

Keysight Technologies, Inc. certifies that this product met its published specifications at the time of shipment from the factory. Keysight Technologies, Inc. further certifies that its calibration measurements are traceable to the United States National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facility, and to the calibration facilities of other International Standards Organization members.

## Contacting Keysight

Assistance with test and measurements needs and information on finding a local Keysight office are available on the Web at: <http://www.agilent.com/find/assist>

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

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

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## Safety Symbols

The following safety symbols are used throughout this manual. Familiarize yourself with each of the symbols and its meaning before operating this instrument.

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<b>CAUTION</b>	Denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, would result in damage to or destruction of the product. Do not proceed beyond a caution note until the indicated conditions are fully understood and met.
<b>WARNING</b>	Denotes a hazard. It calls attention to a procedure which, if not correctly performed or adhered to, could result in injury or loss of life. Do not proceed beyond a warning note until the indicated conditions are fully understood and met.

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## Documentation and Support

The N1500A online Help file includes information about setup and use of the instrumentation and software. All documentation is available in English only.

Documentation for the N1500A software is available at <http://na.support.keysight.com/materials/>

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# Installation Procedure

## STEP 1. Verify Materials

Verify that the following materials are included in the software kit.

1. Software CD
2. Software Security Key
3. Software Entitlement Certificate

## STEP 2. Redeem the License File

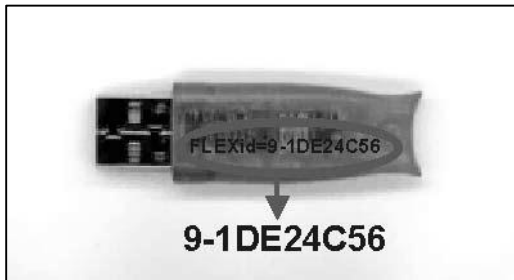
To Redeem the License File you will need the following:

- Software Security Key
- Software Entitlement Certificate
- Internet Access
- Email Account

If you do NOT have all of these items, contact your Keysight representative. Refer to “Getting Help” on page 7.

1. Go to the Software License website at: <https://ksm.software.keysight.com/ASM/External/>
2. When prompted for the NODE ID, enter the 10 digit "FLEXid =" number that is printed on your USB key. The format is "9-#####" where the last 8 digits are hexadecimal (numbers 1 - 9, and letters A - F).

An example of the Node ID is shown here:



3. Your license file will be sent to the specified email address.

## STEP 3. Install the Software

There are many ways to install and run the N1500A software depending on the analyzer model.

- **Installing the N1500A Software on the Analyzer** affords maximum speed and efficiency.
- **Installing N1500A Software on a PC** requires that the connection to the analyzer be configured.

See procedures for installing the software on either the analyzer or PC at:

<http://na.support.keysight.com/materials/help/N1500AWebHelp/N1500.htm>

In the help file, click **Install and Configure the Software**.

## STEP 4. Install License File

Copy the license file that was emailed to you in step 2 to the following location:

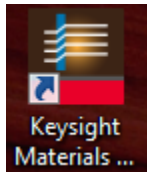
- **Windows XP or 32bit Windows 7:** C:\Program Files\Keysight\Materials Measurement Suite\Data and Setup
- **64 bit Windows 7:** C:\Program Files (x86)\Keysight\Materials Measurement Suite\Data and Setup

## STEP 5. Connect the Software Security Key

Connect the USB Security Key to the computer or analyzer.

## Step 6. Instrument Setup

To run the N1500A software, click the Materials Measurement icon on the desktop.



# Getting Help with Your Software

## Help System

Use the help file that is included in the N1500A software to quickly reference the user documentation. On-line Help is only available in English.

## On the Internet

The Materials Measurement Support website is another resource for help. Visit:

<http://na.support.keysight.com/Materials>

You can also post your questions for the measurement experts at

[http://www.keysight.com/owc\\_discussions](http://www.keysight.com/owc_discussions)

Select the **Network Analyzer - Applications** Forum.

## Contacting Keysight

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

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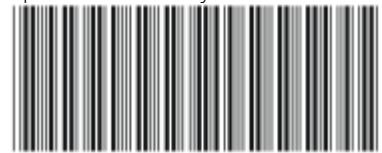
**NOTE** In any correspondence or telephone conversation, refer to the Keysight product by its model number and full serial number. With this information, the Keysight representative can determine whether your product is still within its warranty period.

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