

## 4294A Security Features

Rev. 2.0



**Agilent Technologies**

04294-90802  
February 2008  
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## **Contacting Agilent Sales and Service Offices**

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Assistance with test and measurements needs and information on finding a local Agilent office is available on the internet at, <http://www.agilent.com/find/assist>. If you do not have access to the internet, please contact your field engineer.

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

## **Product Declassification and Security**

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Model Number(s): 4294A  
Product Name: Precision Impedance Analyzer  
Product Family Name: Impedance Analyzer

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This document describes instrument security features and the steps to declassify an instrument through memory sanitization or removal. For additional information [please go to www.agilent.com/find/ad](http://www.agilent.com/find/ad) and click on the security instrument tab.

## **Memory Implementation**

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This section contains information on the types of memory available in your instrument. It explains the size of memory, how it is used, its location, volatility, and the sanitization procedure.

### **User Accessible**

- 1) **Flexible disk drive (non-volatile) [Floppy Disk, 1.44MBytes or 720KBytes]**  
Used to save or recall instrument states, cal data, trace data, and screen graphics.
- 2) **Memory disk (volatile) Size 512Kbytes**  
Used to save or recall instrument states, cal data, trace data, and screen graphics.  
The data is cleared with power on/off cycle.
- 3) **Flash memory (non-volatile), Size 16 Mbytes**  
Used to save or recall instrument states, cal data, trace data, and screen graphics.  
To clear data in the flash memory:
  1. Press [Save] key on the front panel
  2. Select **FILE UTILITIES** key
  3. Select **STORE DEV[ ]** key – **FLASH MEMORY** key
  4. Select **FORMAT** key – **yes** key

### **System Use Only – Not User Accessible**

- 4) **Backup memory (with charged battery) 8 Mbytes**  
This memory stores settings per Table D-1, Backup column in the operation manual.  
To reset to the factory settings, keep power off for more than one week, at which time the backup battery is uncharged. (Typically the battery holds charge for 72 hours.)
- 5) **Boot ROM (non-volatile) 4 MBytes**  
Used to boot the firmware.
- 6) **EEPROM (non-volatile) 512 kBytes**  
Used to store factory default system calibration data and adapter setup data performed by users.

### ***Other issues***

There are no BIOS in the analyzer.

The analyzer has GPIB and LAN connection ports. Users can communicate and transfer data via the ports. Please refer to chapter 9 “Setting/Using Control and Management Functions” in the operation manual for more detail.