# NetTek® Y400, NetTek® YBT250, and NetTek® YBA250 Declassification and Security Instructions

www.tektronix.com
071-2221-00

Tektronix

## Contacting Tektronix

Tektronix, Inc.
14200 SW Karl Braun Drive
P.O. Box 500
Beaverton, OR 97077
USA

For product information, sales, service, and technical support:

- In North America, call 1-800-833-9200.
- Worldwide, visit www.tektronix.com to find contacts in your area.

# Table of Contents

# Preface

This document helps customers with data security concerns to sanitize or remove memory devices from the NetTek Y400 Analyzer Platform, the NetTek YBT250 Field Transmitter and Interference Tester, and the YBA250 Antenna and Transmission Line Analyzer.

These products have data storage (memory) devices and data output devices (USB ports). These instructions tell how to do the following:

- Clear or sanitize the memory devices
- Clear or sanitize an instrument that is not functioning

## Products

The following Tektronix products are covered by this document:

NetTek Y400

NetTek YBT250

NetTek YBA250

## Terms

The following terms may be used in this document:

**Clear.** This removes data on media/memory before reusing it in a secured area. All reusable memory is cleared to deny access to previously stored information by standard means of access.

**Erase.** This is equivalent to clear.

**Media storage/data export.** Various devices that are used to store or export data from the instrument, such as a USB port.

**Nonvolatile memory.** Data is retained when the instrument is powered off.

**Remove.** This is a physical means to clear the data by removing the memory device from the instrument. Instructions are available in the product service manual.

**Sanitize.** This eradicates the data from media/memory so that the data cannot be recovered by other means or technology. This is typically used when the device will be moved (temporarily or permanently) from a secured area to a non-secured area.

**Scrub.** This is equivalent to sanitize.

**User-modifiable.** The memory device can be written to by the user during normal instrument operation, using the instrument's user interface or remote control.

**Volatile memory.** Data is lost when the instrument is powered off.

# Clear and Sanitize Procedures

## Memory Devices

The following tables list the volatile and nonvolatile memory devices in the standard instrument and listed options.

### Table 1: Volatile Memory Devices

| Type and minimum size | Function | User Modifiable | Input method | Location | Process to clear |
|---|---|---|---|---|---|
| SDRAM (2)<br>16M x 16 | System Memory | No | Written by system processor | Y400 processor board | Remove power from the instrument for at least 20 seconds |
| SRAM (3)<br>256K x 16 | DSP program and data memory | No | Read/write by DSP processor | YBT250 digital signal processor board<br>YBA250 digital signal processor board | Power down the module by exiting YBT250 or YBA250 application |
| SRAM,<br>512K x 18 | Acquisition memory | No | Read/write by DSP processor | YBT250 digital signal processor board<br>YBA250 digital signal processor board | Power down the module by exiting YBT250 or YBA250 application |

### Table 2: Nonvolatile Memory Devices

| Type and minimum size | Function | User Modifiable | Input method | Location | Process to clear |
|---|---|---|---|---|---|
| USB floppy disk drive | Holds user-storable data such as measurement results and instrument settings | Yes | | Plugs into Y400 USB port | Remove the floppy disk from the drive. Refer to your organization's internal policies regarding handling or disposal of the floppy disk. |
| M_System DiskOnChip<br>32M x 8 | File System | Yes | User input | Y400 Processor board | System reset |
| Flash (2)<br>16M x 8 | Operating system and register settings | Yes | User input | Y400 Processor board | System reset |
| EEPROM<br>128K x 8 | Ethernet (Y400); storing internal calibration data (YBT250) | No | Factory programmed | Y400 Processor board<br>YBA250 RF/Analog board | Store the instrument or module in a secure area, or destroy the instrument or module |
| Flash<br>8M x 16 | Storing program executable, error logging and calibration constants | No | Factory programmed, software updates, and used by application | YBT250 digital signal processor board<br>YBA250 digital signal processor board | Store the module in a secure area, or destroy the module |
| EEPROM (2)<br>32K x 8 | Storing internal calibration data | No | Written during factory or service calibration | YBT250 RF/Analog board | Store the module in a secure area, or destroy the module |

### Perform a System Reset

This procedure does not erase or change factory calibration constants. Resetting the system puts the system back to factory specifications.

1. Power on the NetTek Y400.
2. Tap the **Start** button.
3. Select **Programs > Tektronix Utilities > System Reset**.

***NOTE.*** *After completing the system reset, the previously stored data is no longer accessible by standard means of access. If procedures are required to sanitize the data so that the data cannot be recovered by other means or technology, please contact your local Tektronix service representative.*

## Data Export Devices

The following table lists the data export devices in the standard instrument and listed options.

**Table 3: Data Export Devices**

| Type | Function | User Modifiable | Input method | Location | Process to disable |
|---|---|---|---|---|---|
| USB host port (supports removable USB flash drive) | User storage of measurement data, screen images, and instrument setups; remote control and data transfer to a PC | Yes | Software operations, remote control and data transfer | USB host port on top of instrument | The USB flash drive can be removed and destroyed.<br>The USB host port cannot be disabled. |
| USB slave port | Remote control and data transfer to a PC | Yes | Software operations, remote control and data transfer | USB device port on top of instrument | The USB device port cannot be disabled. |
| USB floppy drive | Store and transport data | Yes | User writable | Connection to USB port on top of instrument | Remove all floppy disks and format them (don't use the quick format option), store them in a secure area, or destroy them. |
| PCMCIA | Support of PCMCIA-compliant devices including flash memory cards | Yes | User writable | Right side of instrument | Remove all devices attached to the port. Remove all memory devices and format them, store them in a secure area, or destroy them. The PCMCIA device port cannot be disabled. |
| LAN Ethernet connector | Transfer data | Yes | Remote control and data transfer | Ethernet port on top of instrument | N/A |

# Troubleshooting

## How to Clear or Sanitize a Non-Functional Instrument

If your instrument is not functioning and you need to clear or sanitize it, proceed as follows:

**NetTek Y400** There are no customer-removable internal memory devices or boards in the NetTek Y400. Refer to your company's internal policies regarding handling or disposal of the instrument.

**NetTek YBT250** There are no customer-removable internal memory devices or boards in the NetTek YBT250. Refer to your company's internal policies regarding handling or disposal of the module.

**NetTek YBA250** There are no customer-removable internal memory devices or boards in the NetTek YBA250. Refer to your company's internal policies regarding handling or disposal of the module.

**USB Floppy Disk Drive** Remove the USB floppy disk drive, and then refer to your company's internal policies regarding handling or disposal of the floppy disks.

**USB Flash Drive** Remove the USB flash drive, and then refer to your company's internal policies regarding handling or disposal of the flash drive.

**Charges** Replacement of any missing hardware will be charged according to the rate at the time of replacement.