

Instructions



TDS5BUP Upgrades for TDS5000B Series Digital Phosphor Oscilloscopes

075-0812-00

Warning

The servicing instructions are for use by qualified personnel only. To avoid personal injury, do not perform any servicing unless you are qualified to do so. Refer to all safety summaries prior to performing service.

www.tektronix.com



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Kit Description

This kit provides instructions to upgrade TDS5000B Series instruments. Once installed, the upgrades are equivalent to the factory-installed options.

For a list of available options, see the Tektronix web site (www.tektronix.com), the compatibility table in the Installation manual that is part of this kit or your Tektronix representative.

Products

TDS5000B Series

B010100 and above

Minimum Tool and Equipment List

Required tools and equipment	Part number
USB or PS-2 Keyboard	118-9402-00 or equivalent

Kit Parts List

Option	Quantity	Part number	Description
All	1 each	---*	LABEL, OPTION INFORMATION
All	1 each	075-0812-xx	MANUAL, KIT INSTRUCTIONS
All	1 each	020-2450-xx	SOFTWARE KIT, OPTIONAL APPLICATIONS *
J2	1 each	071-0815-xx	MANUAL, USER, OPTION

* **Not Saleable**

** **Not required for M03 or SM**

Installation Instructions

To install your new option(s), you need the key number that is provided with this kit. This unique key number is valid only for the specific model number and serial number of your instrument; it will not work on any other instrument. This single key number enables all valid options for your instrument, those that were factory installed and any others that you may have previously purchased. This new key number supercedes any previous key numbers that you may already have.



CAUTION. *To avoid losing your options, do not misplace the paper label that is included with this kit. This label contains the option installation key number and should be installed on the notched-in portion of the rear panel of the instrument for future reference.*

As a backup, you may want to copy the key number and save it with the other important papers for your instrument. If you ever need to reinstall the instrument software, you will need to reenter this key number to reenabte your options.

If you are upgrading to an option that includes software, refer to the Optional Applications CD Installation manual that accompanies the application CD before you proceed with the following instructions.

Install Option

To enable a new option, follow these steps:

1. If this upgrade kit came with a product software CD for your instrument and if the version number of your instrument software (pull down the Help menu, and then select About TekScope) is less than the version number on the product software CD, use the instructions that came with the CD to install the new product software. Then do the remaining steps of this procedure.
2. Connect a keyboard to the USB or PS-2 port of the instrument.
3. Power on the instrument, and wait for it to boot.
4. If the instrument is powered on in the button-bar mode, select the **Menu** button (upper right corner of the display) to put the instrument into menu-bar mode. In menu-bar mode, there is a PC-style menu bar across the top of the display.
5. Pull down the **Utility** menu, and then select **Option Installation**.
6. Follow the on-screen instructions to enter the alphanumeric key number exactly as it is printed on the label.
7. Attach the label to the notched-in portion of the rear panel (see Figure 1). You can attach the new label over the existing one.

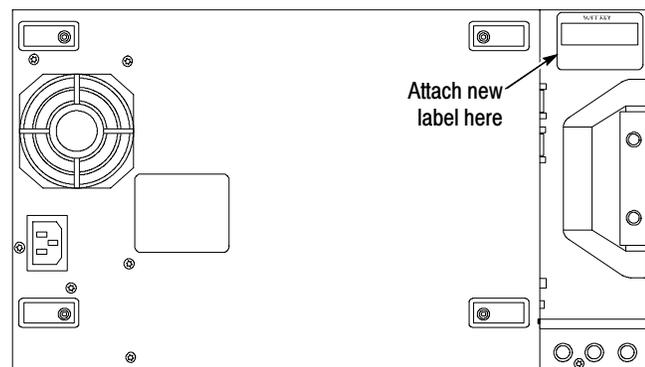


Figure 1: Label location on the notched-in portion of the rear panel

Verify Memory Upgrade

Follow these steps to verify that the M03 memory option which has a maximum record length of 16,000,000 is successfully installed.

1. Reboot the instrument.
2. Push the front-panel **DEFAULT SETUP** button.
3. Turn the Horizontal **SCALE** knob counterclockwise to set the horizontal scale to **10 us**.
4. Rotate the **HORIZONTAL RESOLUTION** knob until the maximum record length is displayed in the momentary pop-up message.

Verify Application Package Upgrade

Follow these steps to verify that an application package upgrade was successful:

1. Reboot the instrument.
2. Push the front-panel **DEFAULT SETUP** button.
3. Pull down the **File** menu, and then select **Run Application**.
4. Verify that the application(s) you purchased and installed appear on the menu. Figure 3 shows a sample list of applications.

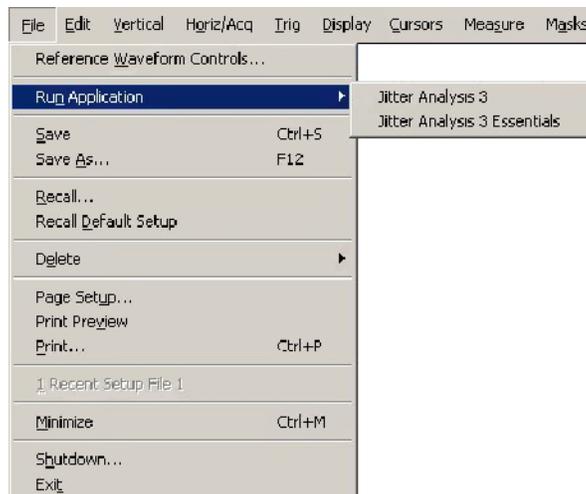


Figure 2: Run Application submenu with Options.

Verify Serial Mask Testing Upgrade

Follow these steps to verify that a serial mask testing upgrade (Option SM) was successful:

1. Reboot the instrument.
2. Push the front-panel **DEFAULT SETUP** button.
3. Press the Mask button (see Figure 3) to open the Mask control window (half screen).

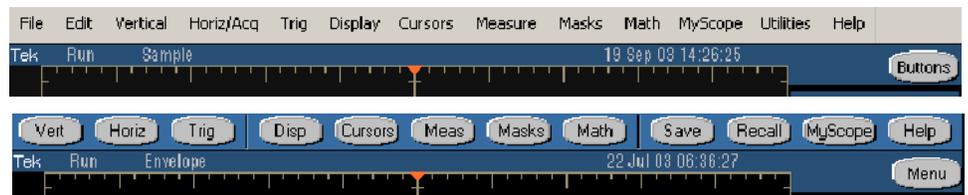


Figure 3: Mask menu and button

4. Verify that a Mask type other than User Mask appears in the window (see Figure 4).

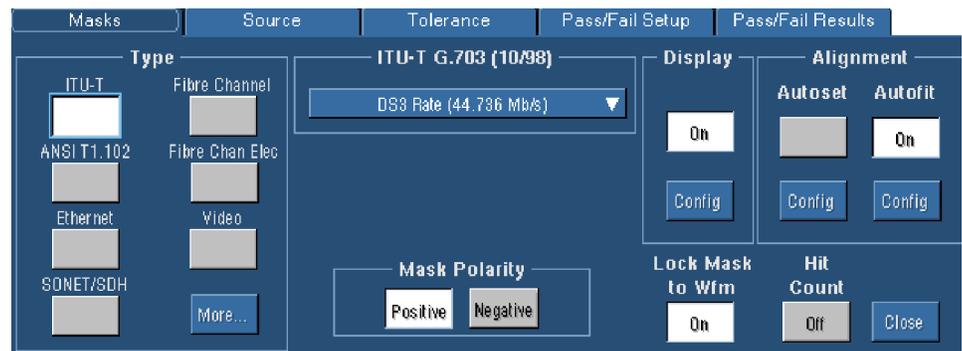


Figure 4: Mask control window (half screen)

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