Instrument Security Procedures

Model:

Fluke 9500 and 9500B

Product Name:

9500 Oscilloscope Calibrator & 9500B Oscilloscope Calibrator

Instrument Description:

The Model 9500/9500B is a calibrator offering oscilloscope test and calibration capabilities from a single source, providing wide functionality.

Memory Description:

The Fluke 9500/9500B has the following memory devices:

1. SRAM 256 kB, Contains run time data and temporary configuration data.
2. ROM 1024 kB FLASH Memory. Contains embedded program and associated storage area. It contains no user data.
3. ROM 256 kB FLASH Memory. Contains characterization data for the instruments digital to analog converter.
4. RAM 256-bytes battery backed. Used to hold information about the active head(s) that have been plugged in.
5. EEPROM 16 kB. This contains user defined data such as bus address, Reference Frequency, safety voltage limits.
6. EEPROM 48 kB. This contains calibration constants.
7. EEPROM 16 kB. Located in 9510, 9530, 9550, 9560 active heads. This contains calibration constants and factory data such as serial number.
8. Removable PCMCIA cards. The instrument has two slots for memory cards. In this instrument the left slot (when viewed from the front) is used for cards containing procedures. The slot on the right is used to store data obtained when the procedure is executed.

Memory Cleaning Instructions:

1. SRAM 256 kB, This area is volatile and contents are lost on power down.
2. ROM 1024 kB FLASH Memory. This area is programmed at manufacture and cannot be cleared.
3. ROM 256 kB FLASH Memory. This area is programmed at manufacture and cannot be cleared.
4. RAM 256-bytes battery backed. This is data for internal use and cannot be accessed.

5. EEPROM 16 kB. There is no single method to clear the data held in this area, each item has to be reset manually. This can be achieved by pressing the 'MODE' key, then 'CONFIG' softkey. Select 'MORE' softkey. There will then be a prompt for the password. The factory set password is '12321'. Each configuration can then be selected in turn using the softkeys and set to the desired value.

6. EEPROM 48 kB. There are no user defined items of data stored in this area and cannot be cleared.

7. EEPROM 16 kB. Located in 9510, 9530, 9550, 9560 active heads. This area is programmed a manufacture and cannot be cleared.

8. Removable PCMCIA cards. SDRAM Cards that have either Procedure or Data on them may be erased using the following: Select the 'MODE' key, Then the 'TEST' softkey. Press 'EXIT' softkey if there is a prompt for a password. Select the 'Interface' softkey. Then the 'MEMORY CARD' softkey. Insert the card to be erased into the left hand slot. Then select 'SLOT 1' softkey. This will overwrite the card.

The 9500/9500B does not have the ability to erase FLASH cards. This must be done using a FLASH read/write device. These devices are not supplied by Fluke.