

Statement of Memory Volatility				
Models: DSX-5000, CertiFiber Pro, OptiFiber Pro, OneTouch AT	Manufacturer: Fluke Networks			
	Address: 6920 Seaway Blvd.			
	City: Everett	State: WA	Zip: 98203	Phone: 800-283-5853

Volatile Memory					
Does the item contain volatile memory (i.e., memory whose contents are lost when power is removed)?					
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If the answer is 'Yes', provide the following information for each type of memory.)					
Sub-Item:	Memory Type (SRAM, DRAM, etc.):	Size:	User Modifiable:	Function:	Process to Clear:
TFS / Versiv Main	Mobile DDR	256 MB	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Program execution and data storage	Remove power (including battery) for at least 60 seconds.
TFS / Versiv Main	i.MX35 processor internal Cache	160 kB	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Operating system, program execution and data storage	Remove power (including battery) for at least 60 seconds.
TFS / Versiv Main	PIC16F883 internal SRAM	256 B	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Power supply management data storage	Remove power (including battery) for at least 60 seconds.
Versiv Remote	Mobile DDR	128 MB	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Program execution and data storage	Remove power (including battery) for at least 60 seconds.
Versiv Remote	i.MX35 processor internal Cache	160 kB	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Operating system, program execution and data storage	Remove power (including battery) for at least 60 seconds.
Versiv Remote	PIC16F883 internal SRAM	256 B	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Power supply management data storage	Remove power (including battery) for at least 60 seconds.
DSX-5000 CableAnalyzer Module	DSP internal SRAM	132 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Program instruction and data storage	Remove power (including battery) for at least 60 seconds.
DSX-5000 CableAnalyzer Module	SRAM	2 MB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Program instruction and data storage	Remove power (including battery) for at least 60 seconds.
OptiFiber Pro OTDR Module	STM32F103ZCH processor internal SRAM	48 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Program data storage	Remove power (including battery) for at least 60 seconds.
OptiFiber Pro OTDR Module	FPGA SRAM	256 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Measurement data sample storage	Remove power (including battery) for at least 60 seconds.

Volatile Memory					
CertiFiber Pro Loss/Length Module	STM32F103ZCH processor internal SRAM	48 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Program data storage	Remove power (including battery) for at least 60 seconds.
CertiFiber Pro Loss/Length Module	FPGA SRAM	4608 B	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Communication packet data storage	Remove power (including battery) for at least 60 seconds.
OneTouch AT Module	SDRAM	512 MB	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Program execution and data storage	Remove power (including battery) for at least 60 seconds.
OneTouch AT Module	K10 processor internal SRAM	64 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Measurement data	Remove power (including battery) for at least 60 seconds.

Non-Volatile Memory					
Does the item contain non-volatile memory (i.e., memory whose contents are retained when power is removed)?					
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If the answer is 'Yes', provide the following information for each type of memory.)					
Sub-Item:	Memory Type (BBRAM, Flash, EEPROM, etc.):	Size:	User Modifiable:	Function:	Process to Clear:
TFS / Versiv Main	NOR Flash	128 MB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Operating system, program storage, system logs, etc.	NA
TFS / Versiv Main	EEPROM	32 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Boot configurations, MAC address, electronic ID (serial number, module type, production date, etc), system configuration, etc.	NA
TFS / Versiv Main	PIC16F883 internal Flash	4 k words	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Power supply management program storage	NA
TFS / Versiv Main	PIC16F883 internal EEPROM	256 B	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not used	NA
Versiv Remote	NOR Flash	128 MB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Operating system, program storage, system logs, etc.	NA
Versiv Remote	EEPROM	32 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Boot configurations, MAC address, electronic ID (serial number, module type, production date, etc), system configuration, etc	NA
Versiv Remote	PIC16F883 internal Flash	4 k words	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Power supply management program storage	NA

Non-Volatile Memory					
Versiv Remote	PIC16F883 internal EEPROM	256 B	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not used	NA
DSX-5000 CableAnalyzer Module	NOR Flash	4 MB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Boot code, electronic ID (serial number, module type, production date, etc), and calibration data	NA
DSX Link Adapters	Flash	512 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Electronic ID (serial number, link adapter type, production date, etc), usage counts and calibration data	NA
OptiFiber Pro Module	STM32F103ZCH processor internal Flash	128 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Operating system, program execution, and electronic ID (serial number, module type, production date, etc)	NA
OptiFiber Pro Module	NOR Flash	2 MB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	FPGA configuration image	NA
OptiFiber Pro Module	EEPROM	4 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Calibration data	NA
CertiFiber Pro Loss/Length Module	STM32F103ZCH processor internal Flash	128 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Operating system, program execution, and electronic ID (serial number, module type, production date, etc)	NA
CertiFiber Pro Loss/Length Module	FPGA internal Flash	128 B	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not used	NA
CertiFiber Pro Loss/Length Module	EEPROM	4 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Calibration data	NA
OneTouch AT Module	NAND Flash	1 GB	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Module program and data storage	Restore OneTouch AT to Factory Defaults (see procedure in Appendix B).
OneTouch AT Module	EEPROM	4 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Module settings, serial number, MAC address, etc	NA
OneTouch AT Module	K10 processor internal Flash	512 kB	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cable test program storage	NA

Media					
Does the item contain media storage capability (i.e., removable or non-removable disk drives, memory cards, etc.)?					
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If the answer is 'Yes', provide the following information for each type of memory.)					
Sub-Item:	Storage Type (Disk, Tape, etc.):	Size:	User Modifiable:	Function:	Process to Clear:
TFS / Versiv Main	Internal microSD Flash card	2GB	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	System settings, project settings, test result storage, user names, passwd, snmp strings, etc	Restore TFS / Versiv Main to Factory Defaults (see procedure in Appendix A). Restore OneTouch AT to Factory Defaults (see procedure in Appendix B).
TFS / Versiv Main	Removable USB devices	Variable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Flash storage drive or keyboard / mouse connectivity	Cover port with evidence tape to ensure media devices are not used. If media is present, destroy storage media or perform multiple overwrites.
OneTouch AT Module	Internal microSD Flash card	2 GB	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reports, profiles, screen shots, certificates, etc.	Restore OneTouch AT to Factory Defaults (see procedure in Appendix B).
OneTouch AT Module	Removable SD Flash card	Variable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Capture storage and data transfer	Cover port with evidence tape to ensure media devices are not used. If media is present, destroy storage media or perform multiple overwrites.

Additional Information:

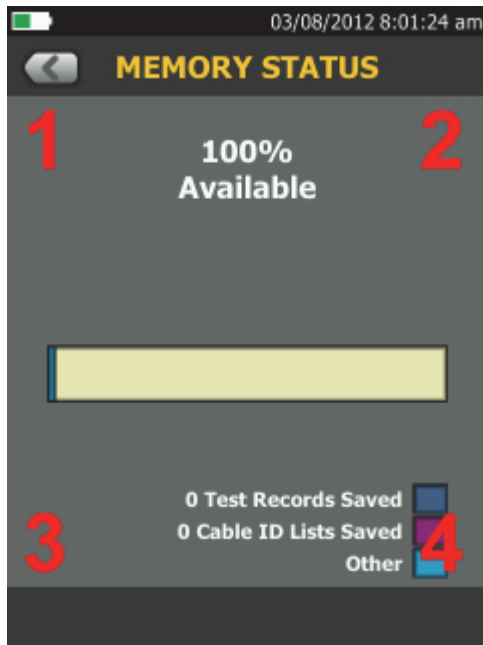
All of the DSX-5000, CertiFiber Pro (CFP), OptiFiber Pro (OFP), and OneTouch AT products can be configured into kits that can include some or all of the sub-items listed below:

- TFS / Versiv Main
- Versiv Remote
- DSX-5000 CableAnalyzer Module
- DSX Link Adapters (various)
- CertiFiber Pro Loss/Length Module (various)
- OptiFiber Pro OTDR Module (various)
- OneTouch AT Module

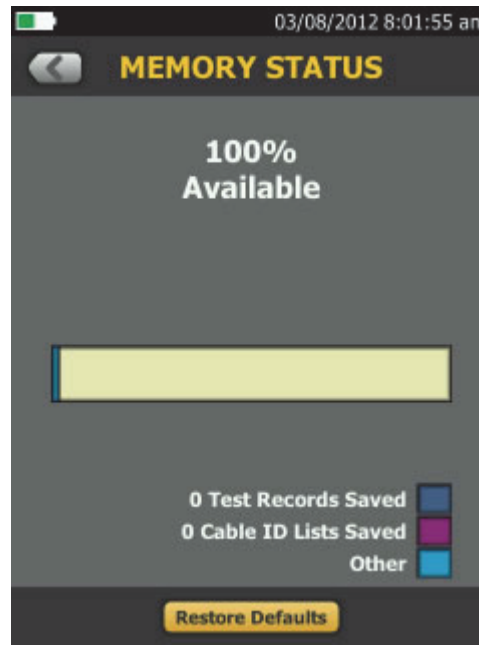
Appendix A: TFS / Versiv Main Restore to Factory Defaults

If a OneTouch AT module is connected to the TFS / Versiv Main unit, remove that module from the main unit. Power up the TFS / Versiv Main while holding down the HOME key. Tap **Tools** followed by **Memory Status** and follow the instructions shown below.

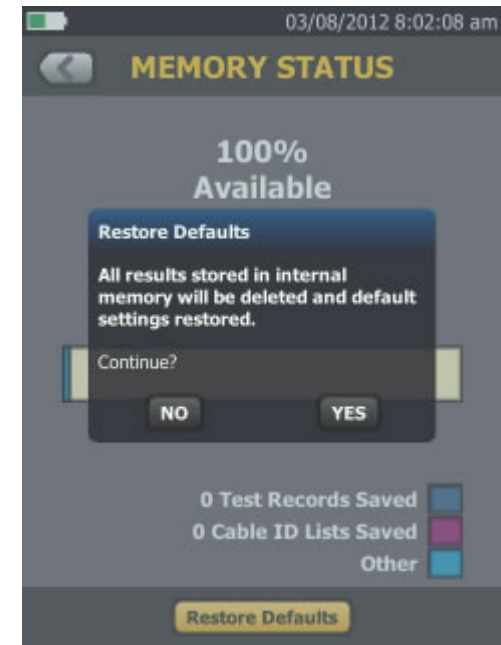
1. Touch the parts of the screen in the order shown below.



2. You will then see a **Restore Defaults** button appear.



3. Tap this for a final warning about doing this.

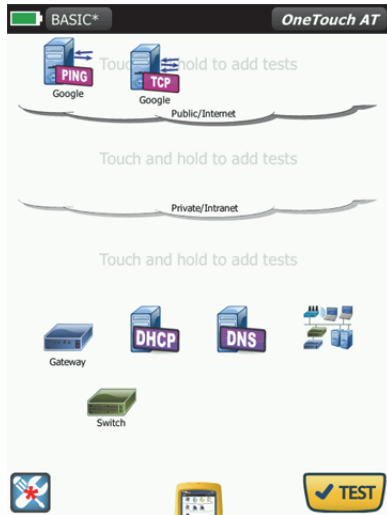


The TFS / Versiv Main unit will then delete stored user data and restore the system to factory defaults before playing a tune and rebooting the system.

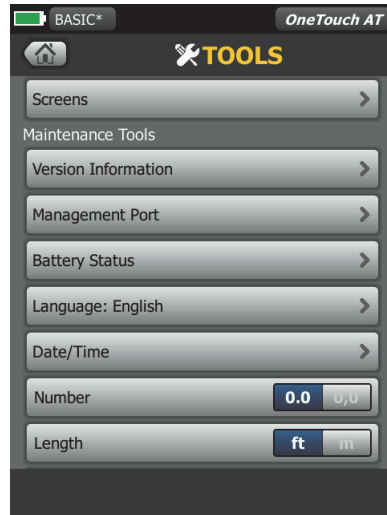
Appendix B: OneTouch AT Restore to Factory Defaults

Requires OneTouch AT version 2.0 software or later. With the OneTouch AT module connected to the TFS / Versiv Main unit, connect the AC adapter and power up the system then follow the procedure shown below.

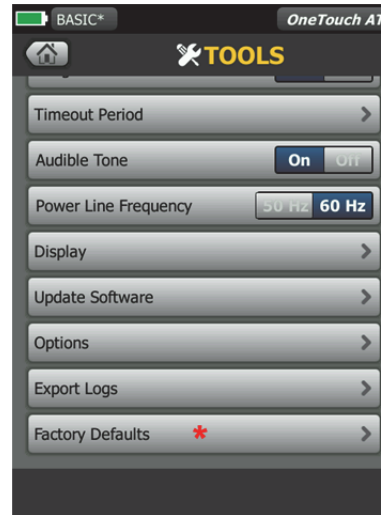
1. On the HOME screen tap the TOOLS icon



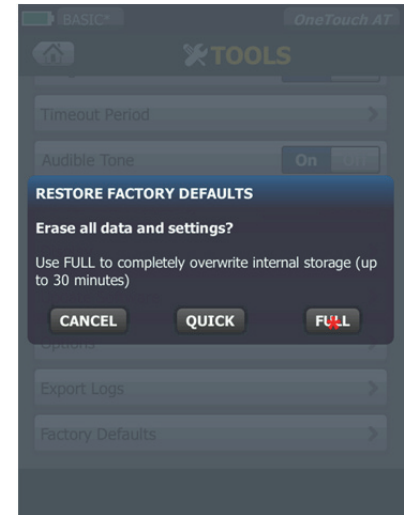
2. Scroll down to the Maintenance Tools section.



3. Tap Factory Defaults.



4. Tap the Full button.



The procedure may take as long as 30 minutes to complete. Do not interrupt the process while it is in progress.