Statement of Memory Volatility

Product and Manufacturer	
Models: SMFT-1000 Multifunction PV Analyzer	**Manufacturer:** Fluke Corporation
	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)?

☒ Yes ☐ No   (If the answer is 'Yes', provide the following information for each type of memory.)

Memory Type (SRAM, DRAM, etc.):	Size:	User Modifiable:	Function:	Process to Clear:
RAM of MCU	128 kB	☒ Yes ☐ No	Variables of program	Power off to clear
Real Time Clock RAM of MCU	80 B	☒ Yes ☐ No	Real Time Clock	Clock is adjusted by user

Non-Volatile Memory

Does the item contain non-volatile memory (i.e., memory whose contents are retained when power is removed)?

☒ Yes ☐ No   (If the answer is 'Yes', provide the following information for each type of memory.)

Memory Type (BBRAM, Flash, EEPROM, etc.):	Size:	User Modifiable:	Function:	Process to Clear:
Flash of MCU	512 kB	☐ Yes ☒ No	Program code stored in Flash	These parameters remain until unit is re-programmed and/or is re-calibrated.
External Flash	128 MB	☐ Yes ☒ No	a. Storage of graphics and saved results b. Calibration data stored in Flash	a. MCU receives command from user to clear. b. These parameters remain until unit is re-programmed and/or is re-calibrated

Media

Does the item contain media storage capability (i.e., removable or non-removable disk drives, memory cards, etc.)?

☐ Yes   ☒ No   (If the answer is 'Yes', provide the following information for each type of memory.)

	Storage Type (Disk, Tape, etc.):	Size:	User Modifiable:	Function:	Process to Clear:
			☐ Yes ☐ No		

Additional Information

This tester has two memory devices, one is microcontroller STM32F446ZET from manufacturer ST Microelectronics, which contains 512 kB Flash and 128 kB of RAM. Program Code is stored in Flash. The other is external FLASH memory that is used for program storage/graphics, calibration data, and to store saved measurement results. The MCU inside unit is responsible to make reading, writing, and erasing of stored results. Program/graphics storage and calibration data is done during manufacturing of firmware update. The programming update is also done through MCU. Calibration data remains stored after firmware update.

Fluke/Fluke Calibration/Fluke Networks Representative Information

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