Statement of Memory Volatility

Product and Manufacturer				
Models: FLK-IRR2-BT Irradiance Meter	**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	4kB	☒ Yes ☐ No	HOLD, ZERO, C/F unit selection	HOLD: press HOLD again to clear or Power off to clear ZERO: Power off to clear C/F unit selection: Power off to clear
Real Time Clock RAM	Clock data size	☒ Yes ☐ No	Real Time Clock	Clock is adjusted through BT connection through SMFT-1000

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, EEPROM	64 kB, 256 Bytes	☐ Yes ☒ No	Program code stored in Flash Calibration data stored in EEPROM	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.)

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

Additional Information

FLK-IRR2-BT has single memory device designated as IC1, which is STM8L052R8 from manufacturer ST Microelectronics, which contains 64 kB Flash, 4 kB of RAM, and 256 Bytes of EEPROM memory. Program Code is stored in Flash, and Calibration data is stored in EEPROM.

Parameters that can be modified by user during work such as "ZERO", "HOLD" and "C/F" are only stored in RAM memory. When device is switched OFF, these parameters reset to the default value.

The device has a RTC chip (Real Time Clock), which is powered with SuperCapacitor. When the device is turned OFF, the RTC chip continues to work. SuperCapacitor is recharged every time device is turned ON through batteries. RTC chip has its own volatile memory for clock data.

Fluke Representative Information

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