Certificate of Volatility				
Model: SIM921	**Part Number:**	**Manufacturer**: Stanford Research Systems		
		Street Address: 1290-D Reamwood Ave		
		City: Sunnyvale	**State:** CA	**Zip:** 94089
Item Nomenclature:				

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', please provide the following information for each type (use additional sheets if required):

Type (SRAM, DRAM, etc.):	Size:	User Modifiable:	Function:	Process to Clear:
SRAM	1 kB	☒ Yes ☐ No	Firmware general storage and user communications data buffers	Remove power
Type (SRAM, DRAM, etc.):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Process to Clear:
Type (SRAM, DRAM, etc.):	Size:	User Modifiable: ☐ Yes ☐ No	Function:	Process to Clear:

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', please provide the following information for each type (use additional sheets if required):

Type (BBRAM, Flash, EEPROM, etc.):	Size:	User Modifiable:	Function:	Process to Clear:
EEPROM	768 bytes	☒ Yes ☐ No	Factory calibration data, and user configuration	send remote "*RST" command before removing power. Factory cal data cannot be modified by user
Serial EEPROM	8 kbyte	☒ Yes ☐ No	records user calibration curves	see Additional Information, below
Flash	32 kbyte	☐ Yes ☒ No	program image	remove CPU -- destructive to instrument

Media

Does the item contain media storage capability (i.e., removable or nonremovable disk drives, tape drives, memory cards, etc.)?
☐ **Yes**　　　☒ **No**

If the answer is 'Yes', please provide the following information for each type (use additional sheets if required):

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

Additional Information:

The SIM921 has 3 stored sensor calibration curves. Curves can be re-initialized (loosing user access to old data) with the CINI command, but this will not delete older values stored in the Serial EEPROM. To erase/overwrite any prior user data, perform the following remote commands:

- repeat 3 times, for i=1, 2, and 3:
  - CINI i, 0, i
  - repeat 225 times, for j=1, 2, …, 225:
    - CAPT i, j, j
    - query CINI? i
    - read back expected response 0,i,j

Vendor/Manufacturer Representative Information

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