

## 96XX Data sanitization of internal storage media.

### ABSTRACT

The purpose of this document is to outline what memory storage is contained within the 96xx instruments and how this storage can be sanitized.

### APPROVALS

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The Fluke 96xx family of instruments contains two types of non volatile storage media, Flash and EEPROM, and one volatile storage media, SDRAM. The following table outlines the use of these storage areas and how they may be cleared, or set to default

Memory Use	Type/size	Contains	Modified By	How the memory is cleared
Firmware Loader	EEPROM 16 kByte	Firmware updater that loads firmware into Flash	Programmed at manufacture	N/A
Firmware	Flash 2 MByte	Firmware stored in compressed format.	Firmware installed using PC installation tool	N/A
Factory set correction constants	Flash 128 kByte	Temperature and circuit related correction factors.	Set during the factory production process.	Factory Mode operation to set all base storage areas to factory default.
Relay Count	Flash 128 kByte	Count of times relays within the instrument are exercised	Operation of the instrument	Factory Mode operation to set all base storage areas to factory default.
User Instrument Settings	Flash 128 kByte	Up to 10 named setups of the instrument.	From the front panel only using the save/recall feature.	By deleting data in each slot under the save/recall feature.
Factory set correction constants	EEPROM 16 kByte	Temperature and circuit related correction factors.	Set during the factory production process.	Factory Mode operation to set all base storage areas to factory default.
User Preferences	EEPROM 16 kByte	Preferences set by the user (eg Bus address, display contrast, sine, AM, FM and sweep).	Manually or via GPIB.	Factory operations to set all base storage areas to factory default.
Calibration constants (96xx base)	EEPROM 16 kByte	Contains the correction factors that are generated during the instrument adjustment process.	When the calibration mode is enabled and adjustments are made to the instrument.	User calibration mode operation to set base storage areas to factory default.
Calibration constants (96xx head)	EEPROM 16 kByte	Contains the correction factors that are generated during the instrument adjustment process.	When the calibration mode is enabled and adjustments are made.	User calibration mode operation to set base storage areas to factory default.
Execution RAM	SDRAM 8 MByte	Executing firmware	The firmware is decompressed from Flash into SDRAM at power on and then executed.	Data will be lost when power had been removed for at least 60 seconds.
Working RAM	SDRAM 8 MByte	Firmware runtime data.	Used for the working area of the firmware	Data will be lost when power had been removed for at least 60 seconds.