

## Instrument Security Procedures

### Model:

Fluke 753, Fluke 754

### Product Name:

Documenting Process Calibrator

### Instrument Description:

Documenting Process Calibrator

### Memory Description:

1. U16, U104, U225, U416, U605, MICROCONTROLLER, TI MSP430F2491, 16 bit microcontroller with 60 Kbyte + 256 byte flash memory and 2 Kbyte RAM. This flash is nonvolatile memory containing operating code for the product. The RAM is volatile memory that is used for program volatile variables and stack and holds Real Time Clock information. The program using this RAM is a control program controlling the software and hardware measurement process. This RAM is not accessible to the user and its contents are lost when the product is disconnected from external power and the battery is removed for 4 hours.
2. U2, MICROPROCESSOR, Freescale IMX27L, 32 bit. This device contains a 24 Kbyte ROM holding the Freescale bootstrap loader and a 45 Kbyte VRAM. The ROM and VRAM are not accessible to the user or an external application program. The VRAM contents are maintained when the power is on and lost when the product is turned off.
3. U3, SDRAM, DDR, 1Gbit, volatile memory. The product's embedded code is loaded into this memory at power on time. This memory also holds the program volatile variables, stack, and heap space. The contents of this memory are maintained when the power is on and lost when the product is turned off.
4. U5, FLASH, 28F512M29EW, 512Mbit. This flash is non-volatile memory containing embedded code for the product. This memory also stores the following: stored procedure data+, procedure results\*, saved as found/as left results\*, saved readings\*, logged data\*, user ID information\*, time/date/language local settings\*\*, default pressure unit\*\*, default temperature unit\*\*, other setup information\*\*, product calibration data++, and program error log++.
5. U18, REAL TIME CLOCK/CALENDAR, NXP PCF8563. This part contains time-of-day and calendar information\*\*.

+ Data written under secure control of external application program

++ Data not accessible to user or external application program

\* Data can be cleared with front panel service command(s)

\*\* Data are selectable only from a fixed list

### Memory Cleaning Instructions:

N/A