

## Instrument Security Procedures

### Models:

Fluke 123 and 124

### Product Name:

Industrial ScopeMeter

### Instrument Description:

- 123 – 20 MHz Industrial ScopeMeter
- 124 – 40 MHz Industrial ScopeMeter

### Memory Description:

Fluke 123/124 has the following memory devices:

Old versions 123 (so called Garfield platform):

1. RAM 256kx16, D475: Contains measuring and microprocessor data, setups + screenshots.
2. Flash-ROM 512kx16, D474: Contains the instrument's embedded software and calibration data.
3. Mask-ROM 8kx8 and RAM 256bitx16, D471: Contains initial program (ROM) and stack values for computing actions (RAM).

New versions 123 and 124 (so called Spider platform):

1. RAM 256kx16, D475: Contains measuring and microprocessor data, setups + screenshots.
2. Flash-ROM 512kx16, D474: Contains the instrument's embedded software and calibration data.
3. Mask-ROM 4kx32 and RAM 1kx32, D471: Contains initial program (ROM) and stack values for computing actions (RAM).

## **Memory Cleaning Instructions:**

1. Memory contents: 'Measuring and microprocessor data' is erased at power-off. No user access. Memory contents 'setups + screenshots' can be deleted by the user: switch power on, press the SAVE/PRINT button, press function key F3 – DELETE ALL (the SAVE/PRINT menu also allows erase of separate memory locations).
2. Flash-ROM memory: Contents stays available at power off and disconnection of the NiMH accumulator. Embedded software and calibration data can be loaded/exchanged with dedicated PC software that is exclusively available in manufacturing and service.
3. Mask-Rom contains the initial program instructions to start the controller when no external program is detected. The internal RAM is used for stack values of the running program only.