

Instrument Security Procedures

Model:

1743, 1744, 1745

Product Name:

Power Logger

Instrument Description:

The Fluke 1740 Series three-phase power quality loggers are everyday power meters for technicians who troubleshoot and analyze power quality issues.

Memory Description:

The Fluke 174x has three memory devices:

- IC703, IC704 SRAM: Chiplus CS18LV20483DI-70, ISSI IS62WV2568BLL-70HI or Samsung K6F2008V2E-YF70 volatile memory used to store the operating code at run time.
- IC705, IC706 FLASH AM29LV320DB-90, Spansion 29AL032D70TFI or 29AL032D90TFI non-volatile memory used to store the operating code, and to store logged readings.
- IC401, I2C EEPROM 24C16 , 2k x 8 bytes, non-volatile memory used to store calibration constants and configuration data.

Memory Cleaning Instructions:

The operating code can be written into IC705, IC706 using a PC-based program, 174x Upgrade. At power on, the operating code stored in IC705, IC706 is transferred into IC703, IC704 and executed. When the instrument is turned off, the contents of IC703, IC704 are lost.

Calibration constants stored in IC401 can be read using a PC-based calibration program. The calibration constants are generated when the meter is sent through its calibration process and are fundamental to the meter operation.

The memory of logged readings is overwritten by new measurements (periodically in circular mode). Its content is lost by processing a new job using the dedicated PC software (i.e., preparing a new logging cycle).

Note

Removing the power supply will not clear the saved or logging memory.