Instrument Security Procedures

Model:

Fluke 6100B

Fluke 6101B

Product Name:

6100B Electrical Power Standard Master

6101B Electrical Power Standard Auxiliary

Instrument Description:

The 6100B is a signal source that provides very high accuracy, complex wave shape signals that have a defined harmonic content to be used in the calibration and adjustment of electrical power and energy measuring equipment

Memory Description:

The 6100B has an industrial PC with the following memory storage:

Type	Size	Function
Compact Flash card	Variable. 128 Mbytes – 1 Gbytes (typical)	Contains the operating system, the application and saved setups.
DRAM SO-DIMM	256 Mbytes	Storage for program execution.
Battery-backed RAM	256 bytes	BIOS parameters.

The 6100B and 6101B have a DSP control board with the following memory storage:

Type	Size	Function
SDRAM	32 Mbytes	Runtime storage for the application which is downloaded from the PC board at power-on.
EEPROM	64 Kbytes	Storage of calibration factors and boot loader.

Memory Cleaning Instructions:

The 6100B industrial PC can be erased as follows:

Type	Size	Procedure
Compact Flash card	128 Mbytes – 1 Gbytes	The saved setups can be cleared by selecting *Global->More Settings-> Load setup* then select each item in turn and select *'Delete'*. The deleted items may still be recoverable with third party tools. Alternatively, the CF card can be removed and destroyed.
DRAM SO-DIMM	256 Mbytes	This area is volatile and contents are lost on power down.
Battery backed RAM	256 bytes	BIOS parameters are factory set and contain no user data. The battery can be physically disconnected to ensure factory defaults.

The 6100B and 6101B DSP control board can be erased as follows

Type	Size	Procedure
SDRAM	32 Mbytes	This area is volatile and contents are lost on power down.
EEPROM	64 Kbytes	Calibration factors erasable via factory-only function "Set All Stores to Default".