

Instrument Security Procedures for Fluke 190B/C Series ScopeMeter

Model Numbers:

Fluke 192B, Fluke 196B, Fluke 199B
Fluke 192C, Fluke 196C, Fluke 199C
Fluke 215C, Fluke 225C

Short Description: ScopeMeter test tool

Memory:

The 190B/C series ScopeMeter test tools has the following memory devices:

1. D3500 Controller “Spider”
Contains a mask ROM 4kx32 with a initial program with the operating code for the product and a RAM 1kx32 to temporarily store stack values for computing actions.
2. D3502 SRAM 512k x 8 or 256k x 16
SRAM memory used to store:
 - the actual screen and instrument setup
 - saved screens and instrument setups
3. D3503 SRAM 512k x 8
SRAM memory used to store:
 - the actual screen and instrument setup
 - saved screens and instrument setups
4. A201 module with the following memory devices:
 - a. D101, D202 : 1M x 16 Flash EEPROM
or
D101, D202 : 512k x 16 Flash EEPROM.
non-volatile memory used to store operating code (instrument firmware) for the product, and to store calibration constants.
 - b. D201, D202 : 256k x 16 SRAM
SRAM memory used to store:
 - the actual screen and instrument setup
 - saved screens and instrument setups

Security Summary:

The operating code (instrument firmware) stored in D101-D102 on the A201 module can be read using special remote interface commands. The instrument firmware can be loaded using a dedicated Fluke software program.

Calibration constants stored in D101-D102 on the A201 module can be read using special remote interface commands. The calibration constants are generated when the meter is sent through its calibration process and are fundamental to the test tool operation.

To clear the saved screens and instrument setups:

1. Push the SAVE_PRINT button
2. Push the F1 softkey “SAVE”
3. Push the F3 softkey “DELETE ALL”
4. Press the F4 softkey “YES”

If the test tool is not powered through its Power Adapter/Battery Charger removing the battery for 10 minutes will clear all data stored in SRAM.