

Instrument Security Procedures

Model: 2635A

Product Name: Hydra

Instrument Description: Data Acquisition

Memory Description:

The Fluke Hydra model 2635A Data Bucket has the following memory:

The Configuration, buffer and Review memory is 256K bytes, in two 128K x 8 bit Non-Volatile RAM chips on the A1 Main PCA. The Non-Volatile RAM is not user accessible and only written to by the Instrument. The SRAM contains the instrument measurement configuration settings, scan data buffers for logging memory (100scans) and the memory card interface (75 scans), plus minimum, maximum, and last review readings for each channel from the most recent scanning period; a portion of the memory is also used as working memory by the microprocessor. The working memory portion is cleared by the power up self-test when the Hydra unit is turned on. The configuration settings data remain in the non-volatile memory until the Hydra instrument configuration is changed or cleared by remote commands or by a user from the front panel as described in the procedure above. The Review readings and scan buffers' data remain in the non-volatile memory until the instrument's configuration is cleared or changed; the Hydra unit automatically clears the buffers and Review data when the configuration changes.

The 2635A Main PCA contains ROM as well, in two 128K X 8 bit Flash EPROM chips. This memory contains the Hydra unit's embedded software (or firmware) operating code and calibration constants. The Flash EPROM requires no sanitization since it is programmable only in the factory, or during maintenance, repair and / or calibration procedures done by a service technician, and contains no user data.

Memory Cleaning Instructions:

Below are the instructions for clearing the memory in a Fluke Hydra model 2635A Data Bucket.

This procedure resets the instrument configuration, and clears the scan buffers and review memory.

Notes

- *Please note that these instructions sanitize the memory in the Hydra 2635A Data Bucket, but they do not sanitize the memory card used in the 2635A.*
- *To clear the SRAM memory cards used in the 2535A, please consult the manufacturer of the SRAM card.*

Before performing this step, ensure that the Hydra 2635A Data Bucket is not under remote control, i.e. REM annunciator is off on the front panel, and that the Hydra unit is in Inactive mode, i.e. not in Scan or Monitor mode. If the Hydra unit's display has the SCAN or MON annunciator(s) on, press the Corresponding front panel button(s) to return the Hydra unit to Inactive mode.

To clear the Hydra 2635A configuration memory:

1. Turn off the power switch.
2. Hold in the CANCL button on the front panel while turning the power to the Hydra unit back on. The Hydra will self-test and then display "OFF CH 0". (Note that this resets the instrument configuration and clears internal scan buffers and the Review memory, i.e. the stored MIN, MAX, and LAST values.)