Quantum Design

Service Note 1014-827

Backup Power for Model 6000 Memory

There have been occasions where a Model 6000 will lose the configuration file stored on the microcontroller board, most commonly after a power cycle of the Model 6000. These failures can be caused by an old/faulty Li ion battery located on the microcontroller board inside the Model 6000. A simple procedure (detailed below) can be used to verify the functionality of this Li ion battery.

Testing the Battery

- Save the Model 6000 configuration file to the computer hard drive.
    - Open Romcfg32.exe located in C:\QdPpms\Tools.
    - Click the box next to 'Diag...' and select 'Read from PPMS'.
    - Give the .cfg file a name that you can easily refer to later.
    - Save the file in C:\QdPpms\Config and press OK.
    - Verify that the configuration read had no errors. If an error occurs while reading the configuration file from the PPMS, a message will appear in the main window of the Romcfg32.exe program.
- Turn the Model 6000 off.
- Remove the cabinet lid.
- To remove the Model 6000 lid: remove the 2 screws and slide the lid towards the back of the Model 6000.
- Locate the battery on the micro controller board.

Picture of Model 6000 with the top cover removed.

- Using a DVM check the Voltage across the battery terminals.
- If the battery voltage is less than 3.0 Volts contact Quantum Design's customer service group.