SRS

How to use National Instruments Measurement and Automation with an SR400

1. Press the "COM" button on the front panel to find out what the GPIB address of the SR400 is.
2. Connect a GPIB cable to the SR400 and open the Measurement and Automation (M&A) program.
3. Select the arrow next to "Devices and Interfaces" on the left side menu of M&A.
4. Click on the GPIB Card in your computer (GPIB0-USB-HS).
5. Click on "Scan for Instruments" in the top center of the program.
6. Double click on the address for the SR400 inside the "connected instruments" window (M& A will show the GPIB address, but under "Identification" it will display "This device did not respond to a *IDN? query).
7. Click on "Communicate with instrument" on the top menu, and immediately turn off the power to the SR400 (the *IDN? command locks up the SR400). The communicator window should appear.
8. Turn the power on the SR400 back on.
9. Delete the *idn? command in the send string window.
10. Type **MM** in the send string window then click on "Query" , the number "1" should appear in the "String Received" box (if instrument was set to default).
11. Type **CP1** then query. The string should be 1E3 (if instrument was set to default).
12. If you type a **CL** command, then you need to send the next command twice.