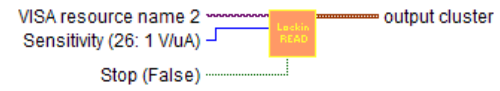


Stanford Research 830 Acquire Measurement - X Y DC Freq.vi

This VI send commands to the lockin sr830 trough theGPIB port.It reads.

It reads the value of X,Y,DC and Frequency and put them in a Shared variable.

The sample rate is 10Hz



The screenshot shows the front panel of the LabVIEW VI. The path is C:\Program Files (x86)\National Instruments\LabVIEW 2016\instr.lib\Stanford Research 830\Examples\Stanford Research 830 Acquire Measurement - X Y DC Freq.vi. The front panel is divided into several sections:
 - **Period:** A numeric control set to 1.
 - **VISA resource name 2:** A dropdown menu set to GPIB0::9::INSTR.
 - **Input Signal:** A section with **Input Connection (0: Single-Ended Voltage)** set to Single-Ended Voltage and **Input Coupling (0: AC)** set to AC.
 - **Reference:** A section with **Reference Source (1: Internal)** set to External, **Sine Output Amplitude (1 V)** set to 1, and **Internal Reference Frequency (1000 Hz)** set to 1000.
 - **Sensitivity and Reserve:** A section with **Dynamic Reserve (2: Low Noise)** set to Low Noise and **Sensitivity (26: 1 V/uA)** set to 100 uV/pA.
 - **output cluster:** A section with **Elapsed Time (s)** controls set to 0 and a **Stop (False)** button.
 - **Filename:** A text box containing C:\Users\TAMA300\Dropbox\PCI measurements\2016-09-29\Test 1.lvm and a **Save to File** button.
 - **Acquisition Time (s):** A numeric control set to 5.
 - **output cluster 2:** A section with **Elapsed Time (s)** controls set to 0 and a **Stop (True)** button.

