



## DP1116A Sweep Example

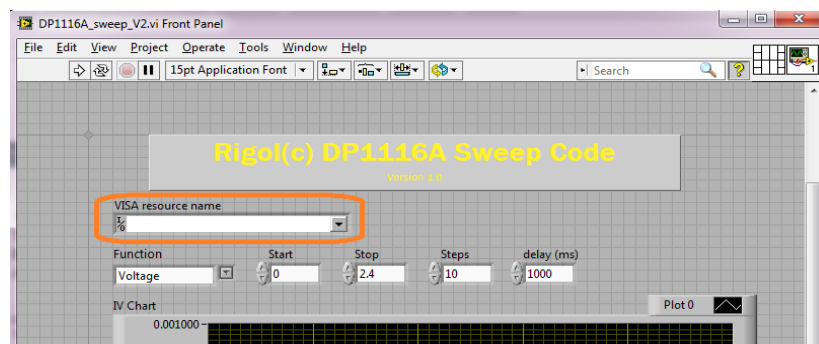
*Date:* 10/4/2011

*Solution:* DP1116A\_sweep.vi is a small application built to provide user's an easy way to perform automated source and measure sweeps.

The application allows you to source voltage or current and then sense current or voltage. Then, it plots the source vs. measure curve for the device or circuit under test. This is commonly referred to as I-V or V-I curves for a device.

### Steps:

1. Connect power cord to instrument and power on instrument.
2. Connect USB cord to instrument and PC. The PC should recognize the DMM and notify you that a new Test and Measurement Device (IVI) has been connected.
3. Connect the DP to the circuit or device of interest.
4. Select the VISA Resource name (address) for your instrument



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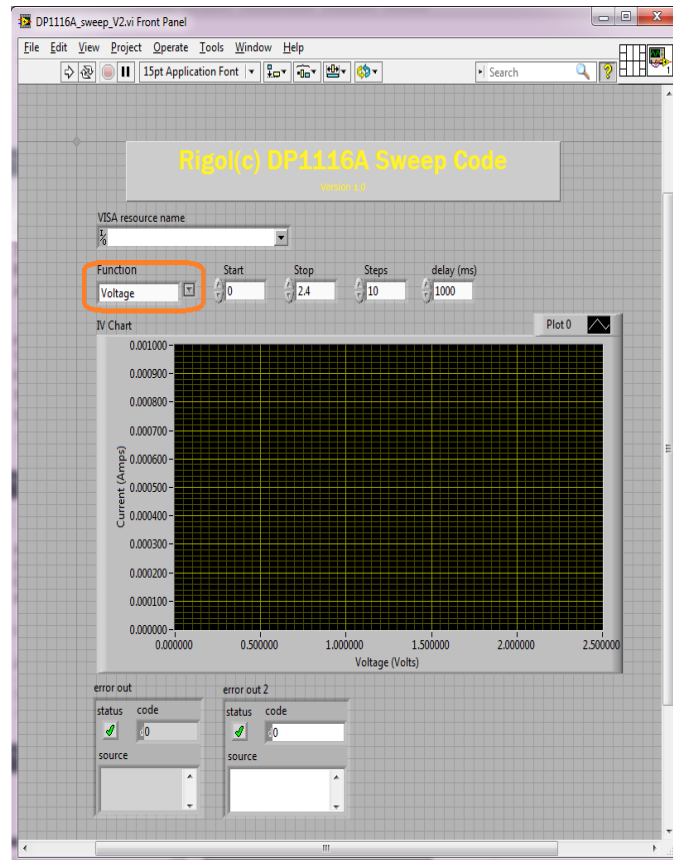
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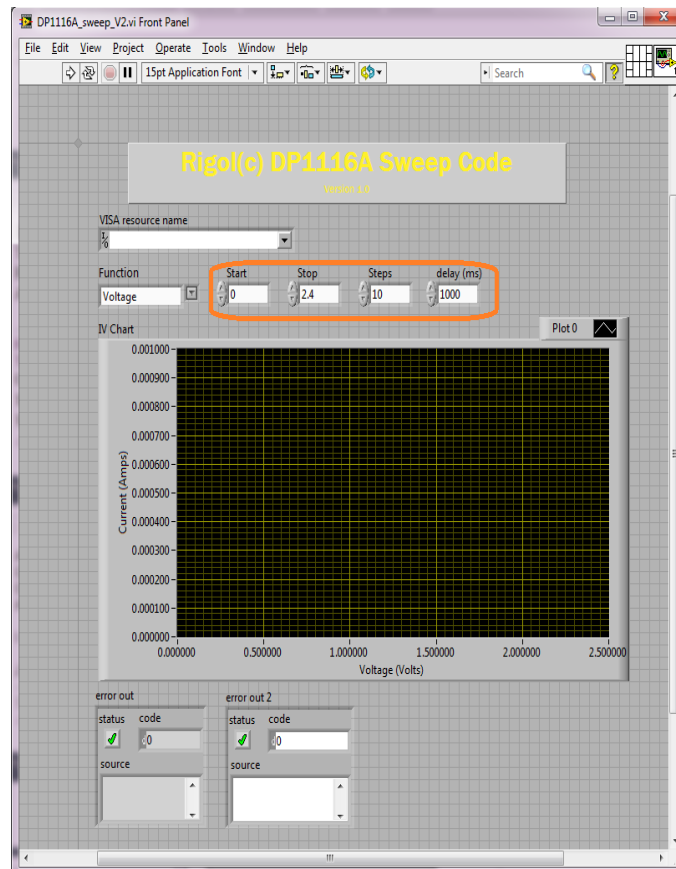
5. Select the source function for your test. Selecting “Current” will source the programmed current(s). Selecting “Voltage” will source the programmed voltage(s).





6. Select Start, Stop, number of steps, and dwell time for the sweep. Dwell time is in Seconds.. and represents the time after each source step and before each step measurement.

*TIP:* For DC measurements, simply make the start and stop values the same.



7. Press the LabVIEW Run arrow to start the application.