Example of using HCS Labview Driver

Introduction

- Support models :

HCS-31XX series HCS-32XX series HCS-33XX USB series HCS-34XX USB series HCS-36XX USB series

- Example vi filename : HCS_LabView_example.vi
 Download link
 http://www.manson.com.hk/wp-content/uploads/2019/03/HCS_LabView_example.vi.zip
- Feature included in example
 - i. Set Voltage and Current.
 - ii. Set Power Supply Output ON/OFF.
 - lii. Read and display actual value of output voltage and current.

How to get HCS LabView Driver

You have two ways to get HCS LabView Driver

- i. Get it from CD come with HCS power supply
- ii. Download LabView driver from Manson website

http://www.manson.com.hk/support/driver-download/

Front Panel and Block Diagram of example Front Panel :



Block Diagram(read output Voltage and Current)



Block Diagram(Set output Voltage).



Block Diagram(Set output Current).



Block Diagram(Set output ON/OFF).



Open HCS LabView Driver

- Open LabView and right click on the page to get following screen.





- Click "Select a VI"

- Select HCH LabView driver (e.g HCS High Current.llb)

Select the VI to Open	- 🗆 🔀
HCS High Current.llb	F: 💌
Close.vi CURR HCS.vi GETD HCS.vi GETD HCS.vi GETS HCS.vi GETS HCS.vi GOCP HCS.vi GOCP HCS.vi GOVP HCS.vi Dinitial.vi PROM HCS.vi RUNM HCS.vi SOCP HCS.vi SOCP HCS.vi SOCP HCS.vi SOUT HCS.vi SOVP HCS.vi Tree HCS.vi	OK Cancel Help
VIs & Controls	

Select related command vi you would like to use. (e.g. Initial.vi)

Then connect it as usual as you use other vi for LabView.

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