

Whats Required!

- EES-100 (Software) Windows only 98 / 2000 / XP
- EE301-12C (Digital Module)
- EE301-12C-CABLE (power & data cable)
- EE301xx or EE151xx (Electronic Load)

Optional Heat Sink (If Required) Any power dissipation above 20 watts we suggest using a high power heat sink!

Customer Supplied Equipment!

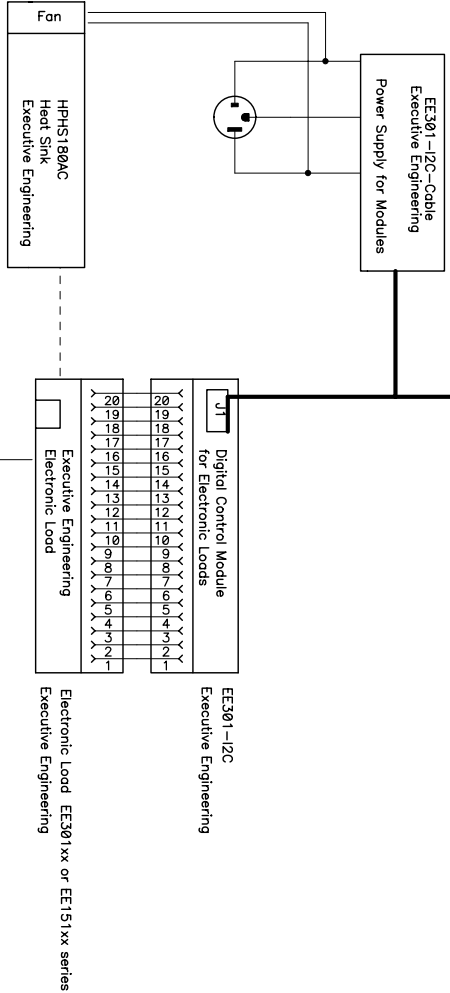
- DC Power Supply
- Batteries to be tested

Power Supply must be able to supply full charging current to batteries.

Theory of operation.

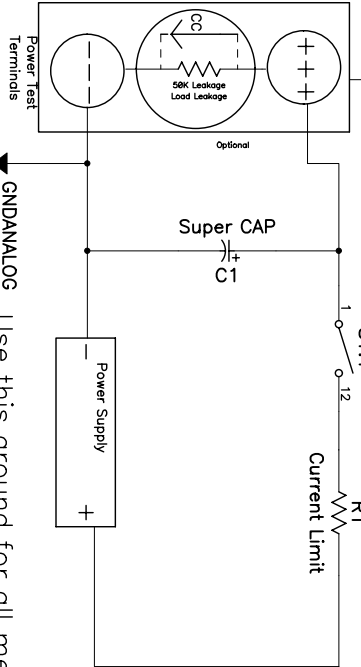
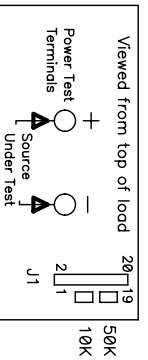
As the battery charges the voltage across the battery will start to increase and the voltage across the electronic load will decrease. When the load get to a low enough voltage the EES-100 software will shut off the electronic load.

Rx (Resistor) is for controlling the discharge or leakage current of the battery. Rx can also be used to control the tricky charge of a battery.



Connector shown from top view.
Pins shown as seen on electronic load.

Note J1 - Pin 2 and the (-) source under test are connected, never have current flowing through this path. All control signals should be connected to J1 -pin 2. Only the source under test should be connected to the power test terminal (+) and (-).



Use this ground for all measurements

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Title		Digital Control System	
Size	Number	X011-00002-0006	Rev
B			1
Date	Drawn by	dw	of
Filename	cap-tester.SCH	Sheet 1	1