

To opamp power
+12 Vdc @ 200ma
from bias power supply

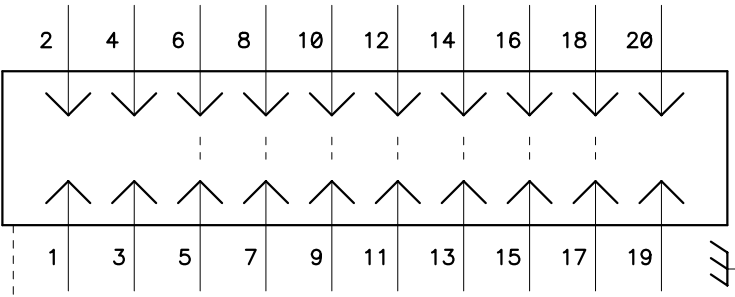
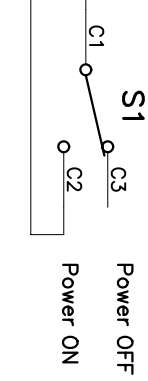
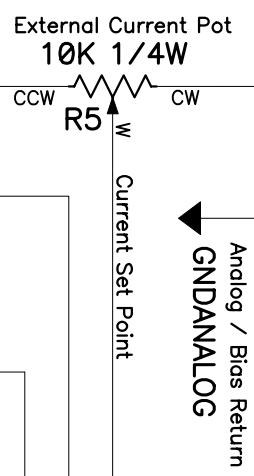


Chart Recorder
Current + Voltage

GNDEARTH



Power OFF
Power ON
Load does not sink current with power off.

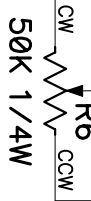


External Current Pot
10K 1/4W
R5
CCW CW W
Current Set Point

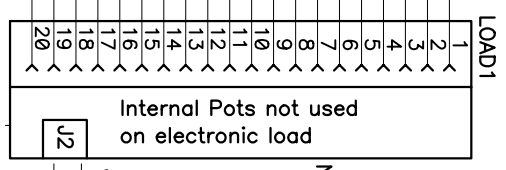
+12 Vdc

Standard Circuit

External Voltage Set Pot
0-50 Volts



Battery Voltage Turn (OFF / ON) set point of load



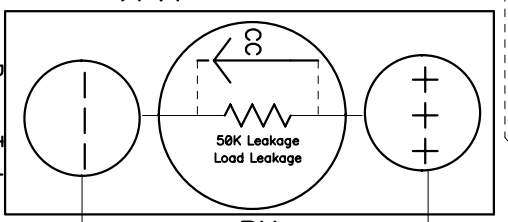
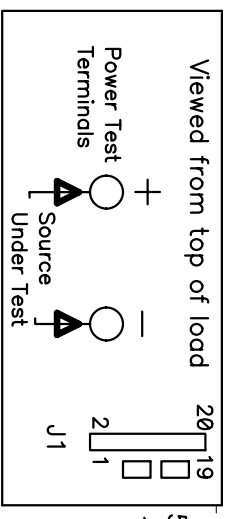
Electronic Load
LOAD1

Note: Wiring shown is for external pots
you can use an EE105T cable
to replace external pots with
pots found on the electronic load.

J2 Option Required / Constant Current
Open / Jumper

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

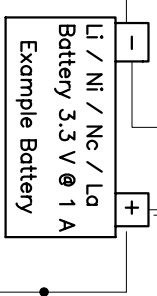
Note J1 - Pin 2 and the (-) source under test
are connected, never have current flowing
through this path. All control signals should
be connected to J1-pin 2.
Only the source under test should be connected
to the power test terminal (+) and (-).



2.1 Volts

Battery Under Test or use
Battery must be floating

Note:
Supply should be 1 to 2 volts
above battery voltage.



Customer Electronics
or UPS for AC Load

Note:
R6 (voltage off) is set to
limit where load will turn
off at bottom voltage.
R5 (current control) is set
to control the current change
of the battery.

Executive Engineering

See Theory of Operation Sheet

Title Battery Charger using Constant Current with Auto OFF

Size	Number	Rev
A	301/151 Battery Charging	1

Date	Fri Nov 26, 2004	Drawn by	dw
Filename	battery-charger1.SCH	Sheet	1 of 1