



Rechargeable
Battery Tester

- July 16, 1985
- Dan Frazer
Vancouver.

To calibrate -

1. Connect power supply to circuit in place of battery
2. Set To 12 Volts
3. Check for +5V on IC. Pin 8. - Turn trim pot so LED 2 is out
4. Reduce voltage input to 10.95 Volts
5. Set trim pot so LED 2 just lights.
6. Turn up power supply. LED 2 should go out just over 11 volts. - See P.2.

7. Reduce voltage again very slowly. LED 2 should light just under 11.00 Volts.

To use.

1. Charge battery fully.
2. Let sit overnight to ensure it can hold a charge.
3. Connect to circuit
4. Immediately push start button on stopwatch

When battery reaches 11.00 volts, the LM311 will fire the opto coupler, shutting off the stop watch which tells you how long the battery will run a VCR and camera.

Note - LED 1 is a pilot light. If it is not lit, the battery is either dead or the polarity switch is in the wrong position.