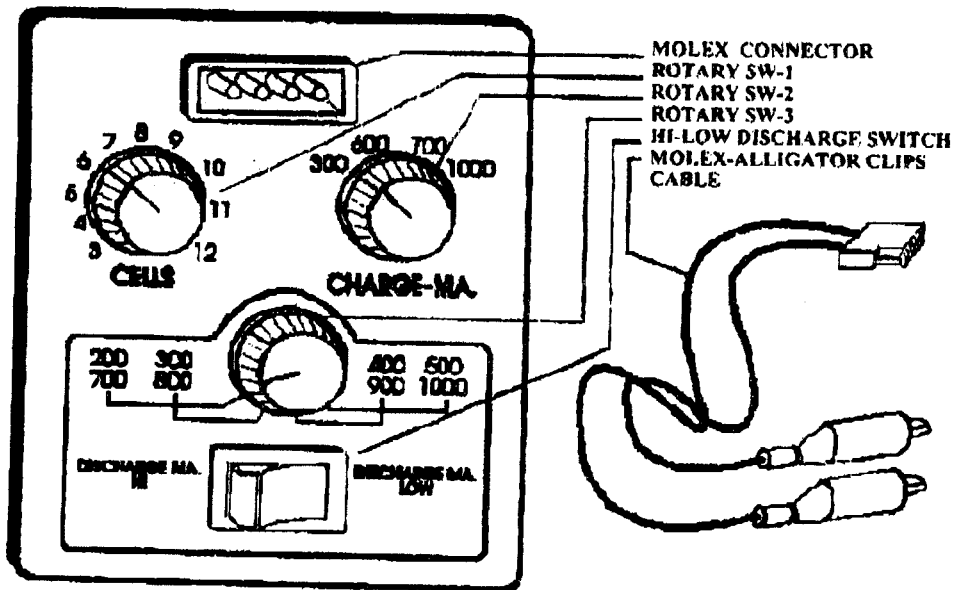


UNIVERSAL ADAPTER OPERATING INSTRUCTIONS

UNIVERSAL ADAPTOR



This is a truly Universal Adapter. All one has to do is connect the "UNIVERSAL ADAPTER", as though it was a typical battery cup. There are three rotary switches, and a regular switch mounted on it.

ROTARY-SW1. - Sets the NUMBER OF CELLS, that make up the battery, from 3 to 12 Cells.

ROTARY-SW2. - Sets the CHARGE CURRENT: 300, 600, 700 or 1000 mA.

ROTARY-SW3. - Sets the DISCHARGE CURRENT: 200, 300, 400, 500, 700, 800, 900 or 1000 mA.

HI-LOW RANGE DISCHARGE CURRENT SWITCH-SW4 - Select either the Hi range (700, 800, 900 OR 1000 Ma.) or the Low range (200, 300, 400, or 500 mA.) DISCHARGE CURRENT.

MOLEX CONNECTOR. - Allows you to customize a cable to the particular battery in question.

It also provides for THERMAL DETECTION, should the battery have a thermistor.

The **UNIVERSAL ADAPTER** is equipped with a wrong polarity connection device. It will buzz when the polarity is wrong. Then you have to switch the polarity.

OPERATING INSTRUCTIONS

THE USE OF THE UNIVERSAL ADAPTER IS INTENDED FOR QUALIFIED PERSONNEL ONLY

1. Turn off the Analyzer and remove the Adapter-Cup from the Analyzer Pocket.
2. Connect the Universal Adapter with the Analyzer using the Ribbon cable and place it in position.
3. Using SW1 set the number of Cells according to the following table:
If the battery voltage is: 3.6V----set--1 Cell
7.2V-----2 Cells
9.6V-----3 Cells
12.8V-----4 Cells
4. Set the CHARGE CURRENT RATE using SW2 according the Battery Specifications. If you do not have this information available, the recommended charge rate is 1/5 of the battery capacity. Note that increasing the charging rate does not shorten the charging time by much. The charging rate is effective during the first state of the charge process only (constant current stage). During the second stage of the charge (constant voltage stage) the charging rates selections are not effective.
5. Set the the DISCHARGE CURRENT RATE using the SW3 and SW4 according the Battery Specifications. If you do not have this information available, use a value nearest to but not higher than 1 C (1C = battery capacity).
6. Turn on the Analyzer; the display associated with the pocket will show "READY".
7. Connect the Molex -Alligator Clips Cable to the battery contacts-the red to the positive and the black to the negative. If the UNIVERSAL ADAPTER starts buzzing, switch the terminals immediately. Sometimes the electronic protection of the battery acts faster than the buzz; therefore, it is better to double check the polarity before making the connections.
8. Follow the Analyzer Instructions.