The 8 Ball Mark II
1.0 to 1.5amp Load Checker for 7.4 & 12.6 VDC
Lithium Ion and Lithium Polymer batteries only

FROMECO

Instructions

Step 1:

Plug 8 Ball Load Checker into 7.4 to 12.6 Lithium Ion "Relions" or Lithium Polymer batteries.

Step 2:

Once you plug in your battery you see the 8 Ball Mark II quickly flash FROMECO 8 BALL, and then flash NO LOAD: XX.XX V for one second.   (X's are the actual reading of your battery)

Step 3:

Your 8 Ball will now begin its test. . The screen will look like this: "LOAD 1A V=XX.XX" You will need to watch this screen throughout the entire load check, ***this will last for 7 seconds***. The Voltage displayed during the load checks are real time. On a healthy battery your voltage should drop for a few seconds and then stabilize. It is this stabilized number that is your final load check. Example: Plug a 2600 Relion in, voltage under 0 load is 7.74V or "NO LOAD 7.74 V". Under a 1amp load this Voltage should drop to 7.35-7.40 or "LOAD 1A 7.40 V". This is the batteries 1 amp load voltage.

Step 4:

Your 8 Ball will now transition into the NO LOAD state. In this state the 8 Ball will be reading Voltage Real time. In this state the 8 ball can be used as a voltage meter to adjust regulators.

Low Voltage:

The 8 Ball unit is designed to alarm at a Voltage of 7.0VDC under a 1.0amp load. Your 8 Ball indicates an alarm Voltage by flashing "NO-FLY" < XX.XX V. The screen will stop flashing after 2 seconds and start reading static voltage again like in **step 4**. However the NO FLY will stay at the top of the screen and NOT be cleared until the battery is unpluged from the 8 Ball unit. 8 Ball can still be used as a voltage measuring device in the NO FLY warning post load check phase.

Fromeco recommends that Pilots stop flying and start charging when batteries read 7.0 Volts DC under a 1.0amp.

Reading Voltage with the 8Ball load checker:

The 8 Ball was designed to read Voltage real time to allow Fromeco Pilots to adjust their Fromeco adjustable regulators. Once the 8 Ball goes through all of its load checking steps the last screen will display "NO LOAD XX.XX V" this voltage is real time. When using an 8 Ball to adjust regulator voltage, you will most likely get a low voltage alarm unless your regulator is set over 7.0VDC. Once all the alarm indications have cleared, the last screen will read "NO-FLY XX.XX V" it is this voltage that is real time and can be used to adjust regulators.

The Fromeco 8 Ball is good for reading Voltages down to 3.5VDC. However, the NO FLY alarms will always come in at 7.0VDC.

Please direct questions and comments to info@fromeco.org, or visit our website at **www.fromeco.org**