

PTK-209 iChecker



Thank you for purchasing the ProTek R/C "iChecker" LCD Lithium Battery Tester. This handy device can be used to check the voltage of the cells in your Lithium Polymer batteries and works with all balance tap equipped batteries from 2S through 6S. The iChecker while being a small compact unit has many features and will display both total battery voltage and individual cell voltages in several ways.

1. Total battery voltage



2. All cell voltages as a bar graph



3. All cells in digital readout



4. Individual cells in digital readout

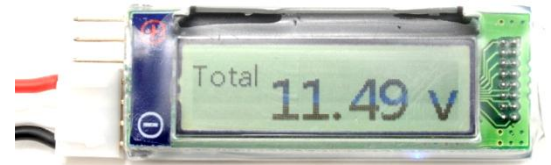


To use the iChecker simply connect it to your battery balance tap so that the negative end (Black wire) is plugged into the negative post of the iChecker input (the same way you would connect your battery to a balancing board input). If you accidentally hook up the balance tap incorrectly, don't worry because it will not harm your battery or the iChecker it simply will not function.

When the iChecker is connected it will display the ProTek RC initialization screen and the blue LED will light. A flashing LED indicates the iChecker has detected an out of balance condition with more than .2 of a volt difference between the lowest and the highest cell voltages.



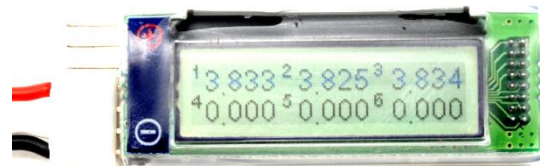
It will then automatically step through the displays showing first the total voltage of the entire pack,



followed by a bar graph displaying all cells,



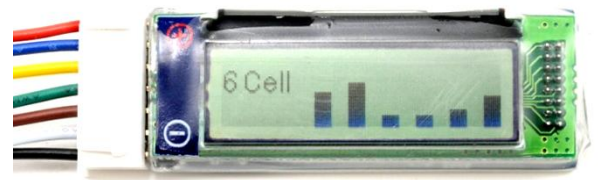
a digital display of all of the cell voltages displayed in 1000ths of a volt,



and will follow up by stepping through the individual cell displays until the voltage of each cell has been displayed. At this point the iChecker will start the sequence over displaying the total voltage.



The iChecker makes it easy to see the condition of each of the cells in your LiPo battery. Here is an example of what would be displayed when connected to a 6 cell battery with severely out of balance cells.



The relative voltage in each of the cells is easily seen in the bar graph display, while the actual voltage of each cell is displayed in the following screens.





The PTK-209 iChecker can also be used as a voltmeter to test any type of battery up to 28VDC by making a simple connector to adapt to your battery connector. The connector shown in the example below was made by using a [PTK-5263](#) 7 – pin XH balance connector and removing the inside 5 wires. Be sure to observe the polarity of your connector, however if you do accidentally hook up the balance tap incorrectly it will not harm your battery or the iChecker it simply will not function.



We hope you find your PTK-209 iChecker to be very helpful in providing you with the information you need to keep your LiPo batteries safe and running to their optimum performance, capacity and long life!