

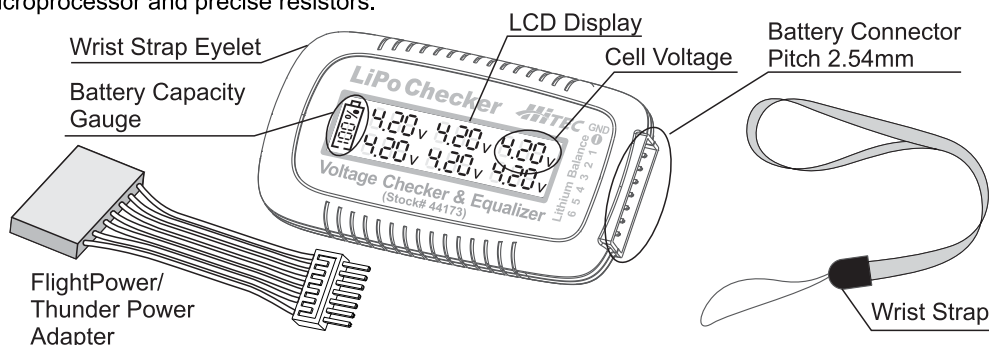
INSTRUCTION MANUAL

LiPo Checker Battery Checker & Balancer



INTRODUCTION

Thank you for purchasing Hitec's LiPo Checker (Stock# 44173). Please read this entire operating manual completely and attentively as it contains important information and safety notes. LiPo Checker is a very sophisticated electronic device that is controlled by a high performance microprocessor and precise resistors.



FUNCTIONS

There are two functions of this compact device:

1. **Battery Checker**

The LiPo Checker can check the voltage of each cell of a lithium battery pack and the remaining capacity in percentages.

2. **Self Voltage Balancer**

This program can equalize the individual voltages to their lowest one. Balance operation automatically starts about 5 seconds after the battery pack is connected. When the voltage difference between cells reaches over 0.02V, the balancer will start to work. The corresponding "V" will be blinking when it is balancing. When the voltage difference between cells reaches 0.01V or less, the balance operation ends and the device enters the sleep mode. "SLP" will now be displayed on the LCD screen.



HOW TO USE

Simply connect the battery pack to a 7-pin connector (XH type). Please note the negative lead or pin of the LiPo connector should match the "negative" mark on the shell of the LiPo Checker. After the LiPo is connected, the LCD displays the voltage of each cell and the built-in balancer checks the voltage. If the pack is not balanced, the balancer will start working. For TP/FP* batteries, please use the conversion adaptor which is included in this package.

*For TP/FP 6S Packs you will need to use an adaptor such as Hitec part #44152

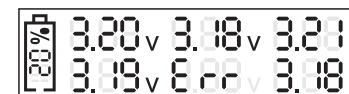
SAFETY NOTES and CAUTIONARY TIPS

The LiPo Checker battery checker can only be used with lithium polymer battery packs up to 6 cells. It cannot handle batteries of other cell sizes and types. During the measurement, the voltage of each cell may change from time to time due to the battery itself and the ambient temperature, etc.

The remaining capacity (Battery Fuel Gauge) display is based on voltage at no load. Since it may differ largely from the actual remaining capacity (according to the battery type), use it as a reference only.

For safety, the device will enter sleep mode after 180 minutes, even if the battery pack has not finished balancing.

To protect the battery from over-charging, minimum voltages need to be balanced. If any individual voltage is lower than 3.0V, an error message ("Err") will appear on the LCD screen.



- Never connect the battery in reverse. A reverse connection may damage the inside of the device.
- Never get the LiPo Checker wet. The LiPo Checker houses precision electronic circuits which may malfunction if water or other solutions enter the case.
- Do not use the LiPo Checker on any combustible material, as the danger of abnormal heating of the battery may occur.
- Be careful not to cause a short circuit by pinching the cord of the battery pack. Shorting may cause abnormal heating or sparking of the battery.
- Disconnect the battery pack after use.

SPECIFICATIONS

- Applicable Battery Pack: 2-6S LiPo
- Voltage Display Tolerance: +/-1.5%
- Voltage Display Resolution: 0.01v
- Voltage Display Range: 0-5v
- Balancing Current: 50mA
- Case Size: 70x38x11mm
- Weight: 23g
- Operating Temperature: 10~+45°C
- Storage Temperature: -20~+60°C

WARRANTY AND SERVICE

We guarantee this product to be free of manufacturing and assembly defects for a period of one year from the time of purchase. The warranty only applies to material or operational defects, which are present at the time of purchase. During that period, we will repair or replace free of service charge for products deemed defective due to those causes.

You will be required to produce proof of purchase (invoice or receipt). This warranty is not valid for any damage or subsequent damage arising as a result of misuse, modification or as a result of failure to observe the procedures outlined in this manual.



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