

# Lipo Fuel Gauge - Operation Manual

## Voltage Tester for 2-6 cell Lipo (Lithium Polymer Batteries)

Part # FGAUGE-26

### Introduction

The Common Sense RC Lipo Fuel Gauge is perfect for checking your lipo battery's charge status while your battery is in your RC model. The simple color-coded LEDs are easy to read and are visible from several yards away. The Lipo Fuel Gauge will extend the life of your lipos by warning you about potential over-discharging and voltage imbalance between cells.

### How to Use

#### 1. Connecting Method:

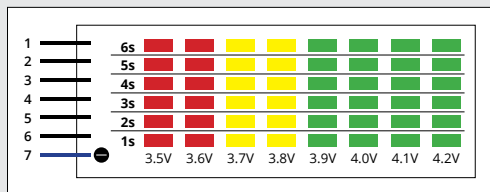
Plug your Lipo battery's balance connector into the Lipo Fuel Gauge. Be sure to align the battery's black (negative) wire with the bottom pin of the Lipo Fuel Gauge, which is marked with a - sign. If the battery is plugged in with the polarity aligned incorrectly or reversed, the Lipo Fuel Gauge's LEDs will not light up. The Lipo Fuel Gauge will not work with 1S Lipo batteries.

#### 2. LED Display:

The Lipo Fuel Gauge will display one row of illuminated LEDs for each cell wired in series in your pack (two rows for a 2S pack, three rows for a 3S pack, etc.)

There are eight LEDs in each row - four green, two yellow and two red. The more LEDs that are lit in a given row, the higher the voltage of the corresponding cell. You can use the LED colors as a guide on how much run time you have left.

- When a cell's voltage gets below 3.5V, the LEDs in the corresponding row will start blinking from left to right.
- When a cell's voltage gets below 3.4V, all LEDs in the corresponding row will start blinking on and off.
- When a cell's voltage gets below 3.2V, all LEDs in the corresponding row will turn off.



We recommend ending your run when all the LEDs in any row start blinking from left to right when the battery is at resting voltage (vehicle is not moving, minimal load on the battery). This will safeguard against going below the minimum 3.2V per cell under load that is recommended in the instructions for Common Sense RC Lipo batteries. Using Lipo batteries beyond this point can severely limit the battery's lifespan.