

Introduction and Notes on Method of Testing

Test Rig.

See Photo

Rig comprises:

Strain gauge to measure thrust in grams or ounces, 80 Amp Esc, Lipo battery to suit test required and Servo Driver. Tests can be carried out on tractor or pusher configurations

Method of Testing

Starting with the smallest propeller, the 10%, 25%,75% and 100% outputs for Thrust, Amps and Watts, are tested and recorded. This is repeated for each prop in turn. At each stage the Current and Watts are monitored to ensure maximum limits are not exceeded.

Usually 2 to 3 tests can be carried out on a single 2200 mAh battery before changing (at50%) for a recharged battery.

Conclusions.

The test rig provides a consistent way of testing Prop, Motor and Battery combinations. Data from all tests is recorded and provides useful reference information for the future.



