

# Instructions

## **Caveat:**

1. The above test should pay attention to safety. The ESC must be disconnected when installing the propeller or throttle to form a calibration (to prevent the motor from rotating to the tester)
2. Before the start of the above test, it is necessary to confirm whether the safety test environment is met to prevent injury during the test.

## **Test Data:**

1. Propeller efficiency test
2. Motor pull and performance parameter settings
- 3 ESC load test

## **Test parameters::**

Voltage: 6-30V

Current: 0.1-100A

Pulling force: 10KG

Motor installation size: M3 9-23mm

M2 9-23mm (shear required)

## **Button introduction:**

- M1 Automatic test mode 1, 10% 步进 (10%/20%。  
30%/40%/50%/60%/70%/80%/90%/100%)
- M2 Automatic test mode 2, 25%步进 (25%/50%/75%/100%)
- M3 Automatic test mode 3, 10%步进 (50%/60%/70%/80%/90%/100%)
- S Automatic test time setting (2-5s key cycle)
- T Pulling force to zero
- STOP Emergency stop

*In order to place a wrong operation, the key event must be greater than 1S,  
short press the key is invalid!*

Instructions:

Click START to pop up the prompt interface, and click OK to enter the test interface (the knob must be in the low position to open, and the knob greater than 1% cannot be turned on)

1. Manual test >>

Throttle adjustment throttle adjustment, test data displayed in real time on the screen

2. Automatic Test >>

M1>

Press the button is greater than 1S, the button to release the buzzer issued BB

sound, enter the automatic test link, the throttle automatically stepping 10% "20%" 30% "40%" 50% "60%" 70% "80%" 90 % "100", after the test is completed, the data is automatically stored. You can directly click "DAT" to view the current test data.

M2>

Press the button is greater than 1S, the button to release the buzzer issued BB sound, enter the automatic test link, the throttle automatically step 25% "50%" 75% "100%", the test data is automatically stored, you can directly click "DAT" Can view current test data

M3>

Press the button is greater than 1S, the button to loosen the buzzer emits BB sound, enter the automatic test link, the throttle automatically steps 50% "60%" 70% "80%" 90% "100%", the data is automatically stored after the test is completed , you can directly click "DAT" to view the current test data

### **Parameter settings:**

Click SET to enter the parameter setting interface

Voltage voltage sensor calibration, take the standard voltage for calibration, calibrate the voltage value with the + - button

Current current sensor calibration, take the rated load for current calibration, calibrate the current value with the + - button

*Pull Tension sensor calibration, place weights on top for sensor calibration,*

*calibrate tension values with + - button*

*Format data format*

*Rinit resumes initialization*

*OK parameter save, exit the parameter setting interface*

***Electronic throttle formation calibration:***

*First disconnect the ESC cable, remove the propeller above the motor, enter the*

*test interface, turn the knob to "100%", insert the ESC, listen to the motor tone*

*and adjust the knob to "0%" to hear the motor tone, ESC Reconnect after*

*throttle calibration is complete*