

# User's manual

## 4IN1 Multi Test Meter

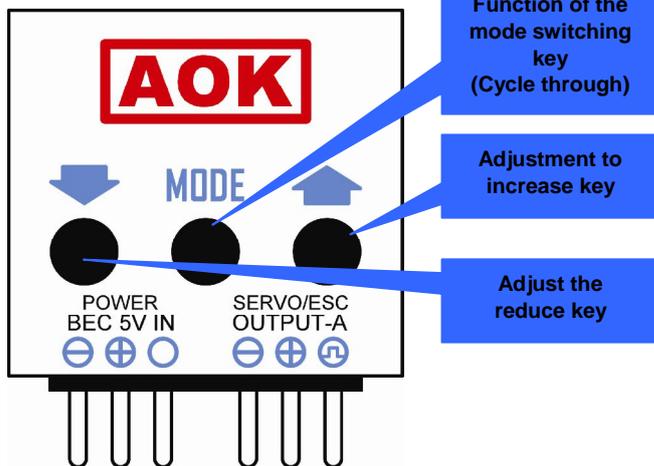
### Product instruction

- ◆ Performance testing of ESC.
- ◆ Servo rotation direction and scope of testing.
- ◆ Servo sensitivity of each cell of the test (0.01ms).
- ◆ Automatic operation or manual operation test of the choice of servo.
- ◆ Receiver signal is out of control monitoring alarm (out of control looking for).
- ◆ Digital temperature measurement and over-temperature alarm (adjustable temperature alarm value).
- ◆ 0.36 in. red high brightness LED digital display.
- ◆ Input and output ports are equipped with anti-reverse polarity protection circuit.

※Be sure to use with the AOK-BL8S product portfolio, this product can not be used independently.

### Features

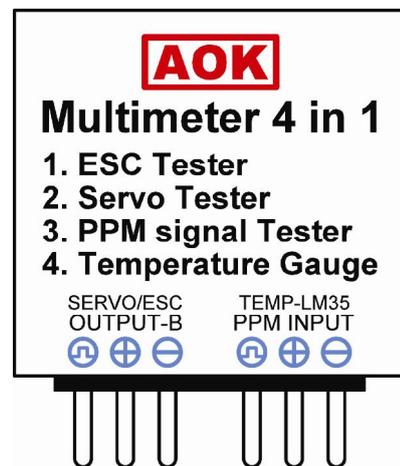
Top



Power input  
DC 5V

Servo/ESC PWM  
Signal output-A

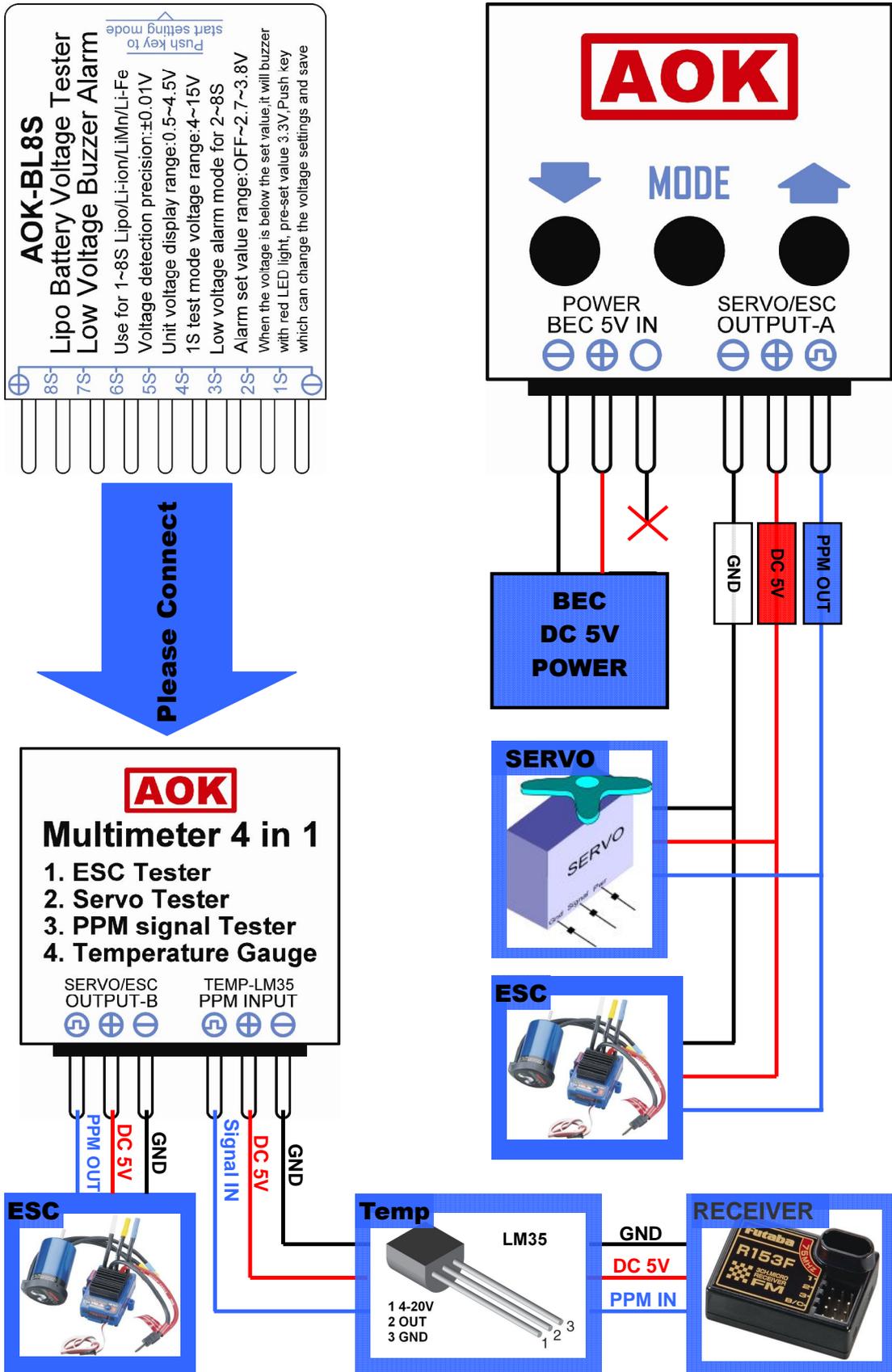
Bottom



Servo/ESC PWM  
Signal output-B

Temp-LM35 input  
PPM Signal output

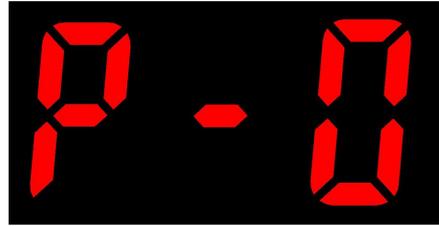
# External controls and connections



## Basic operation



1. Product power is turned on, the digital display full-screen display, the product of the program is part of the hardware self-test.



2. After the passage of the automatic detection, digital tube display shows the "PO", indicates that the current PPM-OUTPUT mode, the servos/ ESC manual test mode.



3. Servo / ESC manual test mode, the digital display shows "1.50" then the output pulse width signal is 1.50ms (unit: ms).



4. Servo / ESC manual test mode, short press or long press to reduce the key, can reduce the value of the output signal pulse width, the minimum output pulse width signal is 0.50ms.



5. Servo / ESC manual test mode, short press or long press the increase key to increase the output signal pulse width value, the maximum output pulse width signal is 2.50ms.

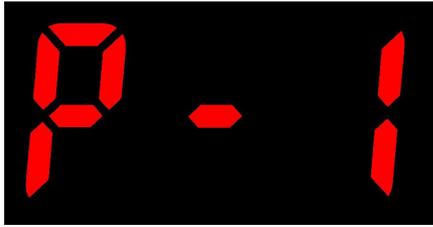


6. Servo / ESC manual test mode, short press time mode function key to enter the servos / ESC automatic test mode, the minimum output pulse width signal at this time: 1.00ms.



7. In the servos / ESC automatic test mode, the digital display screen digital display from 1.00 to 2.00 loop Happy Valley, then the output pulse width signal: 2.00ms.

8. In the servos / ESC automatic test mode, short press or long press the lower key, you can reduce the rate of change of the output signal pulse width value; short press or long press the increase button, you can increase the output signal pulse width valuespeed; the fastest pulse width value of the slowest pace of change to the pulse width value of the slowest pace of change of a total of 10 levels, the product's default value is 3 (speed rating); greater the representatives of pulse width value faster.



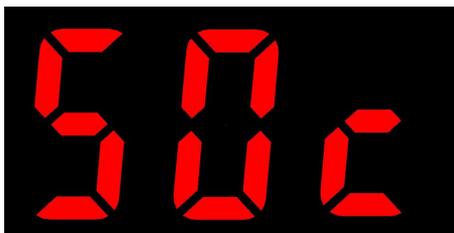
9. The short time you press the mode functions in the automatic test mode of the servos / ESC key, you can enter the receiver signal lost control and monitoring of alarm mode; digital display shows the "PI", ie, PPM-INPUT. In this mode, the PPM-the INPUT port detection to the receiver output PPM signal, the digital display will be displayed to the way in the "---" Happy Valley, said the scan for the signal monitoring state; If the receiver signal abnormal interruption, the buzzer will be issued a harsh warning sound.



10. The receiver signal out of control to monitor the alarm mode, short press time mode function key, you can enter the temperature measurement and over-temperature alarm mode; If you do not access or not properly connected to the LM35 temperature sensor, the screen will show "00c", "c" for the unit of degrees Celsius.



11. Correct access LM35 temperature sensor, the screen will display the current real-time temperature, such as the current temperature of 38 degrees Celsius, the digital display screen is displayed as "38c".



12. Temperature measurement and over-temperature alarm mode, short press or long press the reduce / increase the key, change the temperature alarm threshold, the default value of 50 ° C.



13. Temperature measurement and over-temperature alarm mode, short press or long press the lower key to decrease the temperature alarm threshold, the minimum to 0 ° C, display said "00c".



14. Temperature measurement and over-temperature alarm mode, short press or long press the increase key to increase the temperature alarm value, the maximum is 99 ° C, display said "99c".