DC Watt Meter

DC Watt Meter Instruction Manual

Thank you for purchasing the DC Watt Meter. With the DC Watt Meter, you will be able to precisely measure and calculate the electrical parameters of your circuit and get the most out of your equipment.

The DC Watt Meter measures current, voltage, power (Watts) and charge (Amp-hours) value of your electrical circuit.

Reasons for using the DC Watt Meter:
The DC Watt Meter helps you
01 Predict the model setup's flight time
02 Choose the best propeller or gearing with the appropriate motor
03 Check the condition and usability of your battery
04 Ensure operating currents are safe for motor, wiring, connectors and speedcontroller
05 Measure power and energy consumption of the devices with a battery

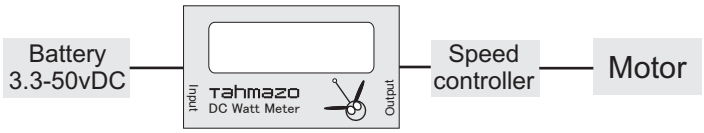
Features
01 Small, rugged and light weight
01 Measures Current (A), Voltage (V), Power (Watts) and Charge (Amp-Hour)
03 Accuracy up to 0.01A Current and 0.01V Voltage resolutions
04 Handles up to 100A maximum current and 70A continuous current and
05 16x2 character LCD display
06 Built-in low resistance sensing resistor that does not affect the model's performance
07 Equipped with AWG14 high silicon rubber insulated wire without connectors

Specifications
01 Dimension: 87.4g, 100x55x23mm
02 Voltage: 3.3-50vDC
03 Current: 0-100A (70A continuous)

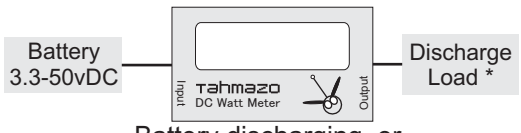
Safety precautions
High power electrical systems pose dangers independent of devices like the DC Watt Meter and it is the user's responsibility to be familiar with the dangers and take any necessary actions to ensure the safety use of the DC Watt Meter. Shorting a power source or a DC Watt Meter connected to a power source or battery charger can supply huge currents and have serious consequences including explosions, causing fire, damage to equipment and personal injury.

Using the DC Watt Meter
The DC Watt Meter is supplied without connectors so that you can use your preferred connectors. (Note the current rating of the connectors used so that you can obtain accurate readings from the DC Watt Meter)

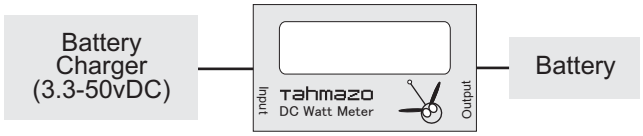
Examples of connections to the DC Watt Meter



Testing loads e.g. motors
(brush or brushless)



Battery discharging, or
receiver and servo testing
* The discharge load can also be flight pack (receiver and servos) if you want to obtain data of the flight pack



Battery charging - indicates the
current, voltage and power
during the charging of the battery.

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