Model Avionics Optical Tach Instructions.

The Model Avionics Tach can be used to remotely measure the rotor speed of a RC helicopter in flight.

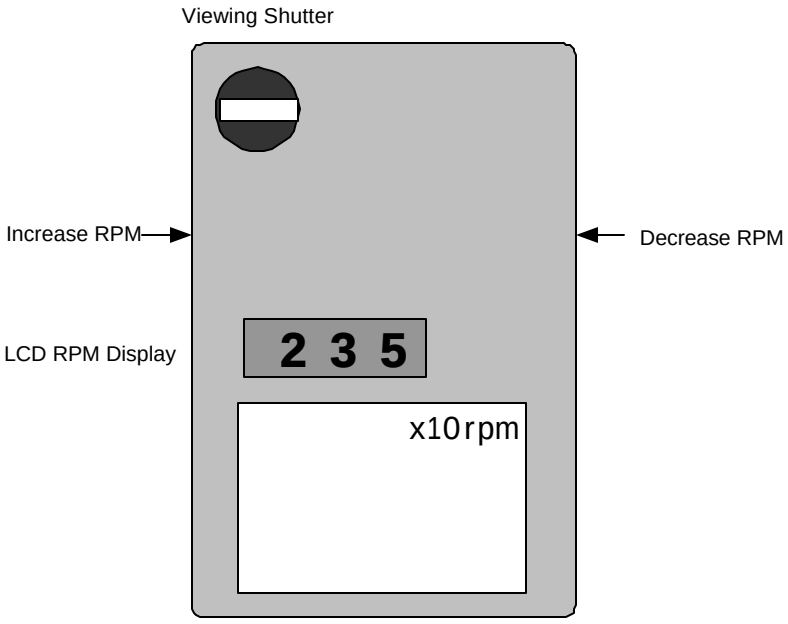
Taching must be performed by an assistant and NOT attempted by the person flying the model.

Taching is accomplished by viewing the helicopter though the viewing shutter and adjusting the speed of the shutter until the main blades of the Helicopter appear to stop.

The shutter speed can be increased or decreased using the buttons at the back of the tach.

The shutter speed range corresponds to 1000 to 2400 rpm of the helicopter head speed.

The least significant digit of the display is 10 RPM. A reading of 165 corresponds to an RPM of 1650.



The tach automatically shuts off after 30 seconds of inactivity. It will remember the last set RPM. After wakeup, allow 3 seconds for the shutter RPM to stabilize.

If the shutter fails to operate, replace the main 9V battery.

The Main rotor blades appear to stop when the shutter speed matches the Rotor RPM

Specifications

RPM Range	1000 – 2400rpm
Accuracy	+/- 2.5rpm
Operating Battery Drain	29mA @ 9V
Sleep Battery Drain	70uA @ 9V
Sleep Time	30 Seconds
Battery Type	6LR61 Alkaline 9V battery

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