

SG90s RC MICRO SERVO MOTOR 9g

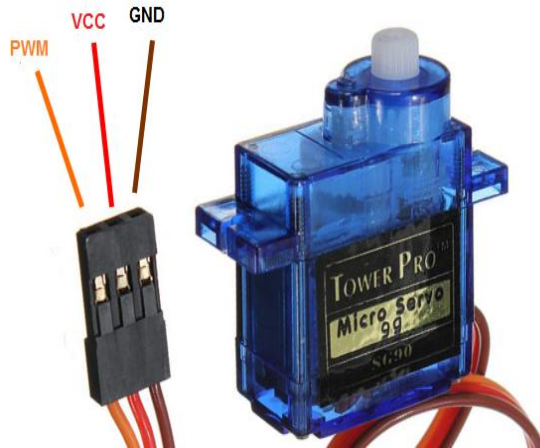


A servo motor is an electrical device which can push or rotate an object with great precision. It is used to rotate an object at some specific angles or distance. It is just made up of simple motor which run through servo mechanism. We can get a very high torque servo motor in a small and light weight packages. Due to these features they are being used in many applications like toy car, RC helicopters and planes, robotics, machine etc. Servo motor is controlled by PWM (Pulse with Modulation), which means its angle of rotation is controlled by the duration of applied pulse to its control pin. Basically servo motor is made up of DC motor which is controlled by a variable resistor (potentiometer) and some gears. It can turn 90 degrees from either direction from its initial position. The servo motor expects to see a pulse every 20 milliseconds (ms) and the length of the pulse will determine how far the motor turns.

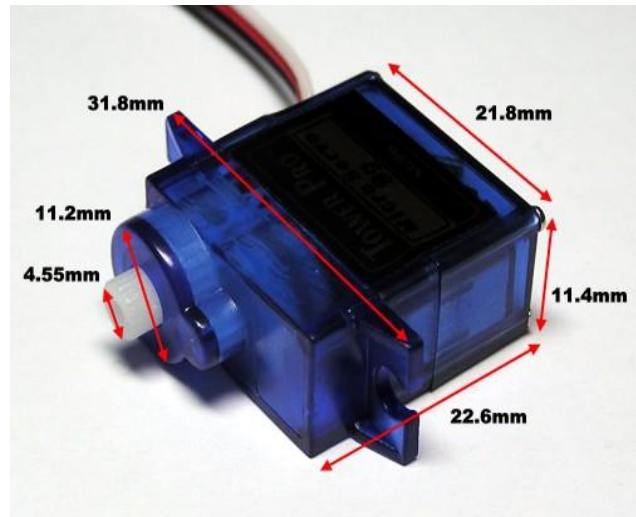
Specifications:

- Coreless Motor
- All Nylon Gear
- Connector Wire Length: 150mm
- Includes arm and gear assortment
- Weight: 9g
- Temperature range: 0 °C – 55 °C
- Dead band width: 10µs
- Operating voltage: 4.8 V (~5V)
- Operating speed: 0.1 s/60 degree
- Stall torque: 1.8 kgf·cm

Pins out :



Dimensions :



Schematic Diagram:

