

Electronic Basics #25:

*What is servo motor?

=A servo motor is an electric motor designed for precise control of position, speed, and torque.

There are three wires of servo motor. Brown is ground, red is power which requires voltage between 4.8V to 7.2V and orange is the servo controller.

PWM(Pulse with module) signal is used to operate servo motor whose periodic time is 20 milliSeconds or 50 Hz.

Servo motor has 4 different sizes of gears that reduce the speed of motor from about 3000RPM to 50 RPM-100RPM.

A standard servo motor rotates from 0 to 180 degrees.