

Hitec HS-485HB Deluxe Servo



Accessories Bag



Product Description

HS-485HB updates the very popular HS-475HB by adding more torque and greater speed. With a top ball bearing, heavy duty, high impact Karbonite™ gears and high performance circuitry, the HS-485HB offers lots of torque and features excellent centering and resolution.

RC servos are hobbyist remote control servos typically used in radio-controlled models, where they provide actuation for various mechanical systems such as the steering of a car, the flaps on a plane, or the rudder of a boat. These servos are not industrial grade and are not recommended for continuous heavy use.

Resources

- Servo Motor and Controller Primer
- Service Manual

Motor Controllers

The 3203 – Deluxe Servo can be used with the following Phidget motor controllers:

- 1066 – PhidgetAdvancedServo 1-Motor

- 1061 – PhidgetAdvancedServo 8-Motor

You must use the 1061 if you want to get the maximum torque out of your motor.

Product Specifications

Motor Properties

Motor Type	Limited Rotation Servo
Range of Rotation	180°
Maximum Speed at Rated Voltage	272°/s
Rated Torque	4.8 kg·cm

Physical Properties

Gear Train Material	Metal
Bearing Type	Top Ball Bearing
Motor Length	38 mm
Motor Width	39.8 mm
Motor Depth	19.8 mm
Weight	45 g

Electrical Properties

Rated Voltage	5 V DC
Rated Current (on 1061 controller)	150 mA
Rated Current (on 1066 controller)	180 mA
Stall Current (on 1061 controller)	750 mA
Stall Current (on 1066 controller)	450 mA

These product specifications are based on our own tests using the HS-485 motor with the Phidgets 1061 and 1066 motor controllers.