

## Pacific Scientific - SC450 Brushless Servo Controllers

### SC451-010-05



 [Request a Quote](#)

- ☒ Get a Quote in 5 minutes
- ☒ Parts ship in as little as 24 hours
- ☒ Up to half the cost of the manufacturer



Secure Online  
Checkout



Free Ground  
Shipping



One Year  
Warranty

The **SC451-010-05** is a part of the **SC450 Brushless Servo Controllers Series** by **Pacific Scientific**.

## Specifications

<b>Acceleration/deceleration Range:</b>	3 to 1,000,000 rpm/second	<b>Altitude Limit:</b>	5000 ft / 1500 m	<b>Continuous Output Current (230v):</b>	1.75A
<b>Humidity Tolerance:</b>	10% to 90% (non-condensing)	<b>Input Voltage:</b>	115/230 VAC (+10%, -15%)	<b>Mechanical Weight:</b>	6 lbs / 2.7 kg
<b>Non-volatile Memory Write Cycles:</b>	10,000 operations	<b>Operating Temperature Range:</b>	0°C to 50°C (full rating), derated to 70% at 60°C	<b>Peak Output Current:</b>	3.5A
<b>Position Control Accuracy:</b>	15 arcmin	<b>Position Control Range:</b>	0 to + 100,000,000 steps	<b>Position Control Resolution:</b>	4096 steps per rev (5.3 arcmin/step)
<b>Speed Control Range:</b>	0 to + 10,000 RPM	<b>Torque Limit Control Range:</b>	0% to 100% of peak rating	<b>Last Verified:</b>	06/03/2025 10:36 PM

## Contact Us

 1620 Old Apex Road, Cary, NC 27513, USA

 Toll Free: [1-888-551-3082](tel:1-888-551-3082)

 International: [1-919-443-0207](tel:1-919-443-0207)

 Fax: [1-919-867-6204](tel:1-919-867-6204)

 Email: [sales@automation-factory.com](mailto:sales@automation-factory.com)

## Shipping Options



## Payment Methods



Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.