



## Optical Encoder Motor-25 9V/185RPM

**SKU: 80087 Weight: 108.00 Gram**

### What Is Optical Encoder Motor-25 9V/185RPM?

In contrast to the DC motor, a photoelectric encoder is added into the encoder motor for detecting speed which is fed back to the signal input terminal for PID control to implement servo control for the motor.

### Features

- ? Control the speed and displacement for the motor precisely;
- ? Users can customize their own PID parameter by self-contained software;
- ? It provides overload protection.

## Note

Before using, please make sure there is enough distance between the white sensor and the black coding disk as below picture for the white sensor may be damaged by the rotating part.

| Specifications       |  |
|----------------------|--|
| SKU                  | 80087  |
| Rated voltage        | 9.0V (DC)  |
| Temperature range    | -20°C~+60°C  |
| Humidity range       | 0%-90%   |
| No-load current      | $\leq 200$ mA  |
| No-load speed        | 185 $\pm$ 10% rpm  |
| Rated load           | 0.9 Kgf.cm   |
| Rated current        | $\leq 550$ mA  |
| Rated speed          | 135 $\pm$ 10% rpm  |
| Starting torque      | 4.5kgf.cm  |
| Locked-rotor current | $\geq 2.0$ A   |
| Parts List           | 1 x Optical Encoder Motor-25 9V/185RPM<br>1 x Encoder Motor Wire |
| Package Dimension    | 150 x 110 x 30mm (5.9 x 4.3 x 1.2inch)                           |
| Net Weight           | 105g (3.7oz)   |
| Gross Weight         | 108g (3.8oz)   |