

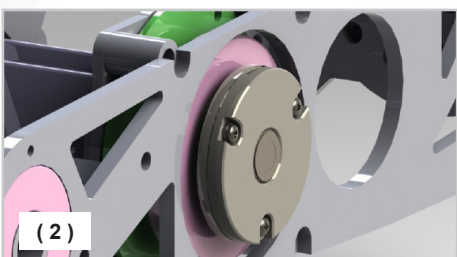
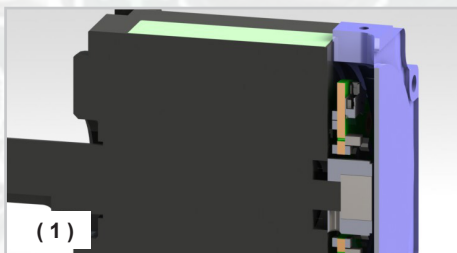


ABS-16-LP1

Low Profile Magnetic Absolute Encoder

Utilizing industry proven technology of the ABS magnetic encoder series, the new ABS-16-LP1 "Low Profile" encoder combines the same performance into an incredible 9mm thin package. Further increasing the possibilities of size demanding applications.

Model #:
ABS-16-LP1-EC (Exposed PCB 46mm OD)
ABS-16-LP1-CV (IP51 Casing 50mm OD)



- Real-time sensor calibration algorithm for consistent accuracy
- High electrical and magnetic noise immunity
- 4-wire RS485 interface, 100µs position update
- 8-bit CRC, 32-byte EEPROM memory

(1) Servo motor can achieve 11.5mm encoder thickness, including cover. Suitable for normal servo motor, direct drive motor and frameless motor.

(2) Encoder integrated into robotic applications can minimize robot frame size.

General Specifications

Encoder Type	Magnetic, Single-Turn Absolute	Operating Temperature	-30 °C ~ +100 °C
Resolution	16-bits / 65,536	Mounting Tolerance	± 0.5mm Radial ± 1mm Axial
Accuracy	12-bits / 4096 / 0.088° / 316 arc-sec	Supply Power	+5VDC / 150mA
Interface	RS485 Proprietary Protocol 1.875Mbps 100us Position Update Frequency	Mass	Magnet: TBD EX Model: TBD CV Model: TBD
Dimensions	Magnet: 15mm OD EX Model: 46mm OD 9mm Height CV Model: 50mm OD 9mm Height		