[Optical Rotary Encoder 4mm Shaft](#)

Product Description

This is a small ball bearing construction, rotary encoder without index that goes up to 3000 rpm.

Connection

This encoder connects to a quadrature encoder interface. The connector at the end of the cable is compatible with all Phidgets encoder interfaces. To attach the shaft of this encoder to a motor or some other device, you can use a shaft coupler. See the Connection & Compatibility tab for details on interfaces and couplings.

Comes Packaged With

- Two mounting screws

Product Specifications

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Encoder Properties	
Output Circuit Type	Push-Pull (Single-Ended)
Controlled By	Encoder Interface
Encoder Resolution	360 CPR
Encoder Speed Max	3000 RPM
Electrical Properties	
Supply Voltage Min	5 V DC
Supply Voltage Max	5 V DC
Output Frequency Max	80 kHz

Physical Properties

Shaft Diameter	4 mm
Shaft Maximum Axial Load	10 N
Shaft Maximum Radial Load	20 N
Operating Humidity Min	30 %RH
Operating Humidity Max	(Non-condensing) 85 %RH
Operating Temperature Min	-25 °C
Operating Temperature Max	85 °C
IP Rating	IP54
Weight	83 g