

# Hollow Shaft Optical Encoder IHC3808



Note: The 3532\_1 is the same as the 3532\_0, except this revision has a 5-pin connector soldered to the end of the cable so it can be plugged directly into a Phidgets encoder interface.

This sturdy optical quadrature encoder can be attached to the 8mm rear shaft of a motor without need for a shaft coupler. It has 360 counts (full quadrature cycles) per rotation and can be installed easily by fitting it over the shaft and tightening the set-screw. This encoder makes use of the index channel, sending one pulse for every full rotation.

## **Comes Packaged With**

- Mounting screws and washers

## **Product Specifications**

### **Encoder Properties**

Output Circuit Type	Push-Pull (Single-Ended)
Controlled By	Encoder Interface
Encoder Resolution	360 CPR
Encoder Speed Max	4500 RPM

### **Electrical Properties**

Supply Voltage Min	5 V DC
Supply Voltage Max	5 V DC
Output Frequency Max	100 kHz

### **Physical Properties**

Shaft Diameter	(Inner) 8 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 -10 °C

Operating Temperature Max 70 °C

IP Rating IP54

Weight 121 g