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Incremental Photoelectric Rotary Encoder - 400P/R

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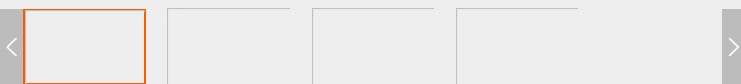
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INTRODUCTION

This is an industrial incremental photoelectric rotary encoder with aluminum material, metal shell and stainless steel shaft. It generates AB two-phase orthogonal pulse signal through the rotation of the grating disk and optocoupler. 400 pulses/round for each phase, and 1600 pulses/round for dual-phase 4 times output. This rotary encoder supports max 5000 r/min speed. And it can be used for speed, angle, angular velocity and other data measurement.

The photoelectric rotary encoder has a NPN open collector output. It could work with Microcontroller with internal pull-up resistors directly. And it is using 750L05 voltage regulator chip, which has a DC4.8V-24V wide range power input, compatible with Arduino, STM32, PLC and other types of microcontrollers.

Note: NPN open collector output needs pull-up resistors for the oscilloscope display.

SPECIFICATION

- Supply Voltage: 4.8V ~ 24V
- Encoder Body Size: $\Phi 39 \times 36.5\text{mm}$
- Output Shaft Diameter: $\Phi 6 \times 13\text{mm}$
- Outside Shaft Platform: $\Phi 20 \times 4.85\text{mm}$
- Fixing Holes Screws: M3
- Weight: 234 g

DOCUMENTS

- [Product WIKI](#)

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- Encoder x1
- Encoder mounting bracket x1
- 6mm coupling x1
- Screw accessories x1
- 10K resistance x2

REVIEW

FAQ




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
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
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 n the discussion...



 **Oak Griffith** • 2 years ago • edited
What is the outer diameter of the 6mm coupler included in the kit? Thanks
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 **DFRobot Support**  Oak Griffith • 2 years ago
We don't have this information at present, and we will measure the outer diameter for you after the product back in stock.
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 **Fmarzocca** • 2 years ago
1) Are the resistors pull-up or pull-down? The signal is positive, so I suppose they are pull-down.
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 **Nur Soleh** • 3 years ago
Incremental Photoelectric Rotary Encoder - 400P/R + DFRduino UNO R3 + Gravity IO Expansion

Can the measurement result be read with visual basic 6 program?
Is it possible to use a rotary encoder type ENC-1-3-T-24 or ENC-1-3-N-24?
Can you share code VB ?

Thank & Regards,
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 **DFRobot Support**  Nur Soleh • 3 years ago
The code we have is only the Arduino code in Wiki.
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 1

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