

How to install an optical coupler speed measurement module

A common prerequisite for many projects, from robotics applications to do-it-yourself tachometers, is speed measurement. This blog post will explain how to measure the speed of an object passing ...

The main aim of this project is to measure the rotational speed of a motor using an Arduino. In order to measure the speed of a rotating device like a simple DC Motor for example, we ...

Learn how to connect and program a Speed Measuring Sensor Module with Arduino. This guide includes wiring diagrams, code examples, and practical applications.

Learn how to use the Infrared Slotted Optical Optocoupler Module with detailed documentation, including pinouts, usage guides, and example projects. Perfect ...

One of the easiest and most popular ways of measuring the speed is with Optocoupler, and Encoder Wheel. Most of the Smart Car kits come with Encoder Wheels included, and I already made Tutorial ...

It explains how slot-type optocouplers work, how this module converts mechanical motion into clean digital pulses, how to calculate speed and RPM correctly, and how to interface it reliably with Arduino ...

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This article introduces common motor speed test modules (slotted optocoupler, through-beam photoelectric) that generate pulses by code disc light blocking. It explains pairing with Arduino ...

Complete PC817 optocoupler isolation module guide. Covers 3.6V-30V wiring, jumper settings, resistor selection, Arduino/ESP32/PLC hookup & troubleshooting.

In this project, I will talk about Phototransistor Optical Interrupter Switches (Opto Coupler) Module, how this module works and helps in determining the spe...

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