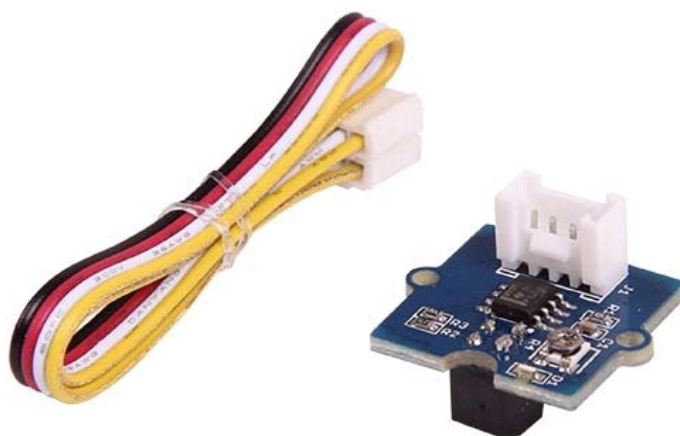




# Grove - Infrared Reflective Sensor v1.2

SKU 101020174



## Description

Grove - Infrared Reflective Sensor v1.2 can be used for detection of proximity and color of objects. The reflective photosensor - **RPR-220** used in this module consists of an infrared light emitting diode and a high –sensitivity phototransistor. Light-colored objects directly in front of the sensor will reflect more infrared light as well as generate more current in the phototransistor than an object with dark-colored surfaces, this can be tell from a built-in indicator LED which will turn red with sufficient flow of current. Also, the intensity of the reflective light increases as the object getting closer. You can adjust the potential-meter on the back of the board if you want to detect a specific object (eg. Black line) at a certain distance.

This sensor is a widely used in applications such as line-following robots, rotary speed detection, auto-data logging on utility meters or other situations where color or distance contrast is sharp.

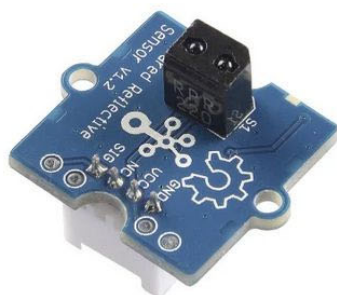
## Features

- Easy to use
- Panel-mounting Grove interface
- Digital output: 0 or VCC
- Built-in indicator LED
- Threshold adjustable via potentiometer
- Power supply: 3.5 – 5.5V DC
- Reflective Photosensor: RPR-220
- Effective working distance: 4-15mm
- Minimum detectable width for monochrome lines: 10mm
- Connector: 4 pin Buckled Grove interface
- Dimension: 20mm\*20mm

## Kit de développement pour capteur Sseed Studio



Code commande RS: **184-5081** | Référence fabricant: **101020174** | Marque: [Sseed Studio](#)



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**19 En stock pour livraison sous 3 jour(s)**

Unité

**Commander**

[Vérifier le stock en temps réel](#)

Uniquement disponible en livraison standard

Prix pour la pièce

**4,66 €**  
HT

**5,59 €**  
TTC

Unité	Prix par unité
1 - 4	4,66 €
5 - 9	4,24 €
10 +	4,17 €

### Documentation technique

[Datasheet](#)



#### Grove - Infrared Reflective Sensor

The reflectivity of infrared light varies with the color and distance of the reflecting surface. This sensor is a basic and widely used part in applications such as line-following cars, rotary speed detection.

Interface: Digital port  
Supply power: 5V  
Effective Distance : 0 - 4.5 cm

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