



## 4 Channel Infrared Obstacle Avoidance Proximity Sensors Module

SKU: VM210

Price: Rs. 120.34 (excl. 18% GST)  
Rs. 142.00

Quantity:

−	1	+
---	---	---

Add to cart

---

## Description

The basic concept of 4-Channel Infrared IR Line Follower Sensor Obstacle Avoidance Module is to transmit the IR signal (radiation) in a direction and a signal is received at the IR receiver when the IR radiation bounces back from a surface of the object.

This 4 channels IR reflective sensor includes 4 IR sensors and main board to handle all the signals. Each IR reflective sensor is composed of an IR emitter and a receiver, if something is in the measuring range, the sensor would outputs related signal. There are also 4 potentiometers on the main board so that the measuring range can be adjusted as you wish.

### Technical Specification:

Detection range: 1 mm to 20 CM

AdjustableSize: in the control panel: 42mm\*38mm\*12mm (L\*W\*H)

Output interface: 6 wire interface

The output signal: TTL level

Working voltage: DC 3.3V-5V

Working temperature: -10 ° C to + 50 ° C

Mounting opening: m3 screw

Small forward: 25mm\*12mm\*12mm (L\*W\*H)

### Features:

LM393 Comparator based detection circuit is very stable and accurate

On board potentiometer sets obstacle detection range

On board Power LED indicator

On board Obstacle Detection LED indicator

3.0MM mounting hole for easy mounting the sensor

Male header for easy connection

Good Accuracy: By use of Infra-red LED transmitter the module performs well in Ambient light

### Applications:

Smart car to avoid obstacle and cliff

omni-directional detecting

On-board indicator

Automation applications

Obstacle avoidance in robots

Production counting on assembly lines

Presence detection

Security systems