

IR Distance Measuring Sensor To 30 CM With Cable GP2Y0A41SK0F

Product Description

- Features:

Type of sensor: photoelectric

Range : 40~300mm(1.5" to 12")

Output configuration: Analogue voltage

Operation mode: Diffuse-reflective

Supply voltage: -0.3~7V DC

Connection: S3B-PH

Max operating current: 22mA

Average current consumption: 12 mA

Output voltage differential over distance range: 2.3 V (typical)

Update period: 16.5 ± 4 ms

Size: 44.5 mm × 18.9 mm × 13.5 mm (1.75" × 0.75" × 0.53")

Operating temperature: -10~60°C

Body material: Plastic



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GP2Y0A41SK0F IR sensors will add obstacle avoidance and motion sensing to the list of mods you're creating for your robot. It's also perfectly suited to stationary projects that just need some good ole distance accuracy.

An alternative to sonar rangefinders, this GP2Y0A41SK0F sensor will provide accurate distance measurements at a more affordable price. This particular sensor will detect distances in a range of 1.5-12 in (4-30 cm).

The GP2Y0A41SK0F uses a 3-pin JST PH connector that works with our 3-pin JST PH cables for Sharp distance sensors, also included is a 3-pin JST PH cable 7.87 in (20 cm) in length for each unit.

- How it works:

Infrared is sent out by the sensor which bounces off objects. The analog voltage that is returned determines how close the nearest object is. The closer it is, the higher voltage is returned.

Package Include:

1 x GP2Y0A41SK0F Sensor with wire