

DFRobot Digital Infrared Distance Sensor, 10cm, Edge Detection, Digital Output,



The Gravity digital infrared distance sensor with a range of 10 cm offers precise edge detection and fall prevention for robots. It is designed for use with Arduino via a digital pin and is compatible with

Product number SEN0042

Weight 0.012kg

Product description

Digital infrared distance sensor Gravity (10 cm)

This sensor is used for edge detection and can prevent robots from falling off tables or stairs. With a direct connection to a digital Arduino pin, it supports precise distance measurements.

Features at a glance

- Edge Detection: Detects edges to prevent robots from falling.
- Intelligent platforms: Use in mobile robotics platforms and household cleaning robots.
- Compact design: Ideal for integration into a variety of robotics projects.

Technical specifications

- Supply voltage: 2.7~6.2v
- Current consumption: < 10mA
- Detection distance: 2~10cm (Low), <2cm or >10cm (High)
- Interface: Digital output
- Signal voltage: Vcc-0.6v (High), 0.6v (Low)
- Dimensions: 36 × 10 × 15 mm
- Weight: < 5g

Scope of delivery

- 1x 10cm infrared sensor with breakout board
- 1x digital sensor cable for Arduino

Product properties

Gross Weight (kg)	0.012
Zolltarifnummer	90151000
Country of Origin	China
Brand	DFRobot
Product ID	SEN0042
Manufacturer ID	SEN0042
EAN	4060137046179

More images

