

Arduino Infrared Obstacle Avoidance Detection Photoelectric Sensor



Place of Origin	china
Brand Name	Shanghai
Certification	CE
Model Number	Obstacle Avoidance Sensor
Minimum Order Quantity	1
Price	6.2usd
Packaging Details	boxes
Delivery Time	2-3 days
Payment Terms	TT advance paypal
Supply Ability	1000pcs

Products Detailed

Arduino Infrared Obstacle Avoidance Detection Photoelectric Sensor

Model	E18-D50NK
Quantity	1
Color	Black + Orange
Material	ABS
Features	Transmitter and receiver photoelectric sensor set; Voltage: DC 5V, current: 100mA, detection range: 3~80cm (adjustable); with potentiometer and output indicator light on the back
Other	Useful for robot, interactive media, industrial assembly line, etc.
Packing List	1 x Photoelectric senso

Arduino infrared switch is an integrated transmitter and receiver as one of the reflective photoelectric sensor, the sensor has a detection distance, through the back of the potentiometer to adjust the measuring range, without the addition of the modulated signal, by the visible light interference is small, cheap and easy to assemble.easy to use features, widely used in robot obstacle avoidance, process lines and other occasions.

The measuring range of the infrared switch given by the manufacturers range from 3cm-80cm, but this product is not a precision sensor, measuring range with a certain error.

Technical parameters:

- 1) Voltage: 5VDC
- 2) Current: 100mA
- 3) measuring range :3-80CM
- 4) NPN normally open type
- 5) The back adjustment potentiometer and the output indicator
- 6) pin definitions: red power, green power is negative, the yellow signal output.
- 7) have been processed DuPont plug directly into an Arduino sensor expansion board use.
- 8) Probe Diameter: 18mm
- 9) Probe Length: 43mm
- 10) Lead Length: 30cm

Applications:

- 1) production line goods automatic counting device
- 2) multi-functional reminder

Related sensor Frequently Asked Questions answered:

- 1) Q: This is a digital sensor or analog sensors?
A: This is a digital sensor, NPN normally open type photoelectric switch; output state is 0, 1, in digital circuits, low and high, the output of the normal state of high to detect the target output low.
- 2) Q: Can connected to the microcontroller IO port?
A: can be directly connected to the microcontroller IO port.
- 3) Q: How much to pull the resistance?
A: The pull-up resistor is generally about 10K;
- 4) Q: Why is connected to the power indicator is always on?
A: Firstly, to ensure that power is stable 5V \pm 2%, followed by the probe output can not be connected to the microcontroller output port;