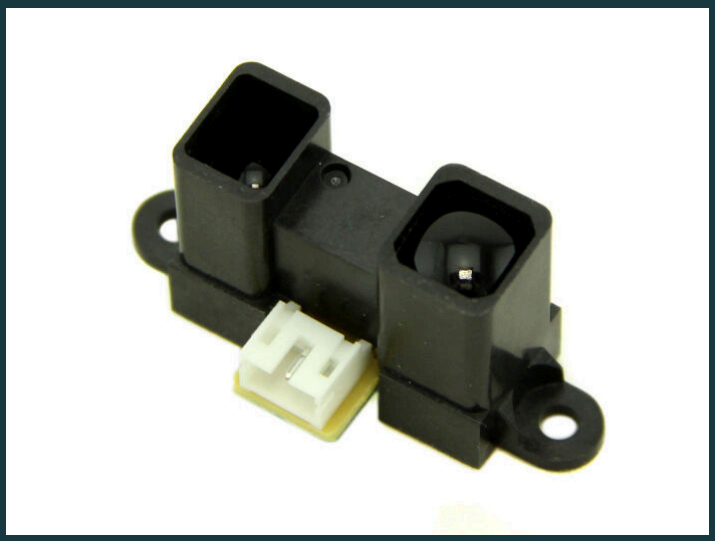
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Analog Infrared Distance Measuring Sensor(20-150cm)

Analog Infrared Distance Measuring Sensor(20-150cm) for robust proximity sensing in sanitary, energy-saving, and amusement applications.

SKU	UPDATED	PRICE
101990001	2024-08-09 02:09:56	$16.90(Excl. VAT)



Overview



The Analog Infrared Distance Measuring Sensor(20-150cm) uses an integrated PSD, IRED, and signal processing circuit to provide distance detection via the triangulation method, outputting a voltage corresponding to the detection distance from 20 to 150 cm. It is resistant to variations in object reflectivity, temperature, and operation duration, and finds use in touch-less switches, energy-saving sensors, and amusement equipment.

Key Features

This is a distance measuring sensor, composed of an integrated combination of PSD(position sensitive detector), IRED(infrared emitting diode) and signal processing circuit. The variety of the reflectivity of the object, the environmental temperature and the operation duration are not influenced easily to the distance detection because of adoption the triangulation method. This device outputs the voltage corresponding to the detection distance. So this sensor can also be used as a proximity sensor.

Features

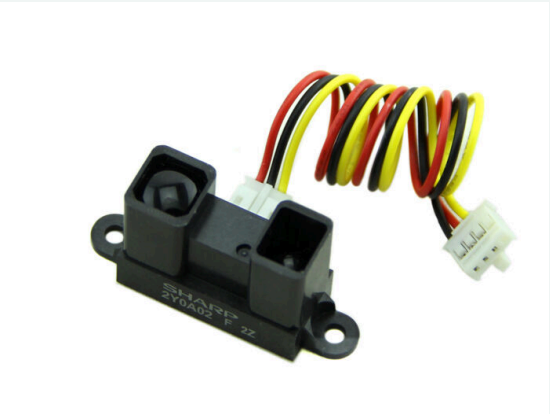
- Distance measuring range: 20 to 150cm
- Analog output type
- Package size: 29.5 x 13 x 21.6mm
- Consumption current: Typ.33mA
- Supply voltage: 4.5 to 5.5V

Applications

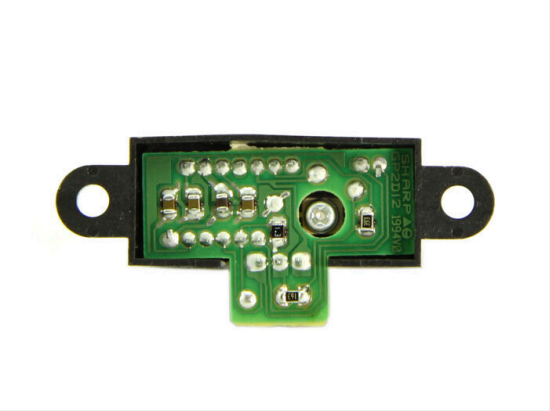
- Touch-less switch(Sanitary equipment, Control of illumination, etc.)
- Sensor for energy saving(ATM, Copier, Vending machine, Laptop computer, LCD monitor)
- Amusement equipment(Robot, Arcade game machine)

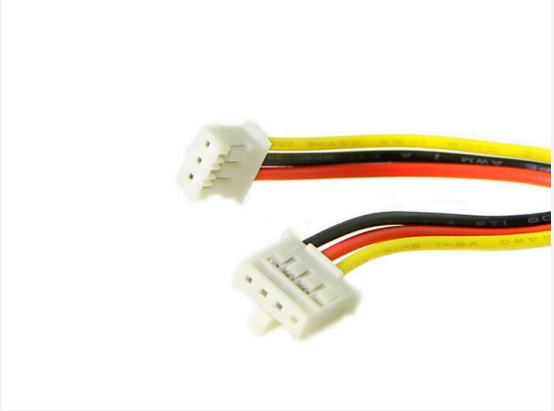
Datasheet download

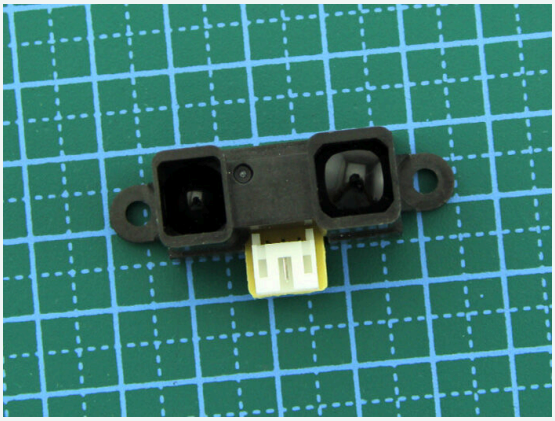
Product Gallery











Compliance & Logistics

HSCODE	9031900090

Resource Links

- https://www.seeedstudio.com/Analog-Infrared-Distance-Measuring-Sensor-20-150c-p-1493.html

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com