

IR Reflective Sensor 10cm



Product Description

Note: The 1103_1B is identical to the 1103_1, except that you have the option of which size of Phidget cable to include.

This sensor can detect the presence of objects at a distance of up to 10cm away, depending on how well the surface of the object reflects infrared light. When an object enters the range of detection, the output voltage becomes zero, and when it leaves, it returns to 5V. The 1103 works just as well in both dark and well lit environments.

The sensor cannot detect the presence of the object if it is emitting large amounts of light, such as a light bulb.

Product Specifications

Sensor Properties

Sensor Type	Distance (Infrared)
Controlled By	VoltageRatio Input
Sensor Output Type	Ratiometric
Detecting Distance Min	0 m
Detecting Distance Max	100 mm

Electrical Properties

Supply Voltage Min	4.8 V DC
Supply Voltage Max	5.3 V DC
Current Consumption Max	9 mA
Output Impedance	1 kΩ

Physical Properties

Weight	4.3 g
Operating Temperature Min	-10 °C
Operating Temperature Max	60 °C

Customs Information

Canadian HS Export Code	8473.30.00
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