

# 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 k $\Omega$ |

### 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 |
|-------------------------|------------|

American HTS Import Code 8473.30.51.00  
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