

# IR Distance Adapter



## Product Description

The IR Distance Adapter is designed to interface Sharp IR distance sensors to an analog input on a PhidgetInterface board. Any Sharp sensor with a supply voltage of 5V and an output voltage range falling within 0-5V is compatible with this adapter. The cable included with this adapter uses a JST S3B-PH connector, like the Sharp sensors sold by Phidgets Inc. If your Sharp sensor uses a different connector, you'll need to find a matching cable for it.

## Comes packaged with

- [3002 – 60cm Phidget Cable](#)
- A 30cm Sharp Sensor Interface Cable

## Product Specifications

### Sensor Properties

|                    |                    |
|--------------------|--------------------|
| Sensor Output Type | Ratiometric        |
| Controlled By      | VoltageRatio Input |

### Electrical Properties

|                         |              |
|-------------------------|--------------|
| Supply Voltage Min      | 4.8 V DC     |
| Supply Voltage Max      | 5.3 V DC     |
| Current Consumption Max | 3 mA         |
| Output Impedance        | 1 k $\Omega$ |

### Physical Properties

|                           |        |
|---------------------------|--------|
| Operating Temperature Min | -25 °C |
| Operating Temperature Max | 85 °C  |

