

# PhidgetTemperatureSensor IR

ID: 1045\_1B

Measure the temperature of an object from a distance with this IR temperature sensor. Plugs directly into a USB port.

\$70.00

Quantity Available: 545

Qty	Price
5	\$66.50
10	\$63.00
25	\$56.00
50	\$49.00
100	\$45.50
250	\$42.00
500	\$38.50
1000	\$35.00

ADD TO CART

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Description Specifications API Resources User Guide Compatible Products

## Product Specifications

<b>Board</b>	
Controlled By	USB (Mini-USB)
API Object Name	TemperatureSensor
<b>Sensor Properties</b>	
API Object Name	TemperatureSensor
Sensor Type	Temperature (Infrared)
<b>Temperature Sensor</b>	
Field of View	10°
Temperature Error Typical (At 25°C)	± 0.5 °C
Ambient Temperature Min	0 °C
Ambient Temperature Max	70 °C
Ambient Temperature Resolution	0.02 °C

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PhidgetTemperatureSensor IR - 1045_1B at Phidgets	
Ambient Temperature Error Max	± 4 °C
Object Temperature Min	-70 °C
Object Temperature Max	380 °C
Object Temperature Resolution	0.02 °C
Object Temperature Error Max	± 4 °C
Update Rate	31.3 samples/s
Assumed Object Emissivity	1
Electrical Properties	
Current Consumption Max	27 mA
USB Voltage Min	4.8 V DC
USB Voltage Max	5.3 V DC
USB Speed	Full Speed
Physical Properties	
Operating Temperature Min	0 °C
Operating Temperature Max	70 °C