

WORLD FAMOUS ELECTRONICS LLC.



PULSE SENSOR THE EASY TO USE HEART RATE SENSOR & KIT

General Description

The Pulse Sensor is the original low-cost optical heart rate sensor (PPG) for Arduino and other microcontrollers. It's designed and made by World Famous Electronics, who actively maintains extensive open-source projects and code at: www.pulsesensor.com

Features

- Includes Kit accessories for high-quality sensor readings
- Designed for Plug and Play
- Small size and embeddable into wearables
- Works with any MCU with an ADC
- Works with 3 Volts or 5 Volts
- Well-documented Arduino library
- Certified Open Source



Kit Includes

Protective Vinyl Cover, insulating the circuit from user's skin.

A Velcro Finger Strap, size to fit any user.

Velcro Dots, allowing for consistent surface pressure and high-fidelity readings.

Precisely Sized Ear Clip, allowing for different types of wearable applications.

Product Photo:

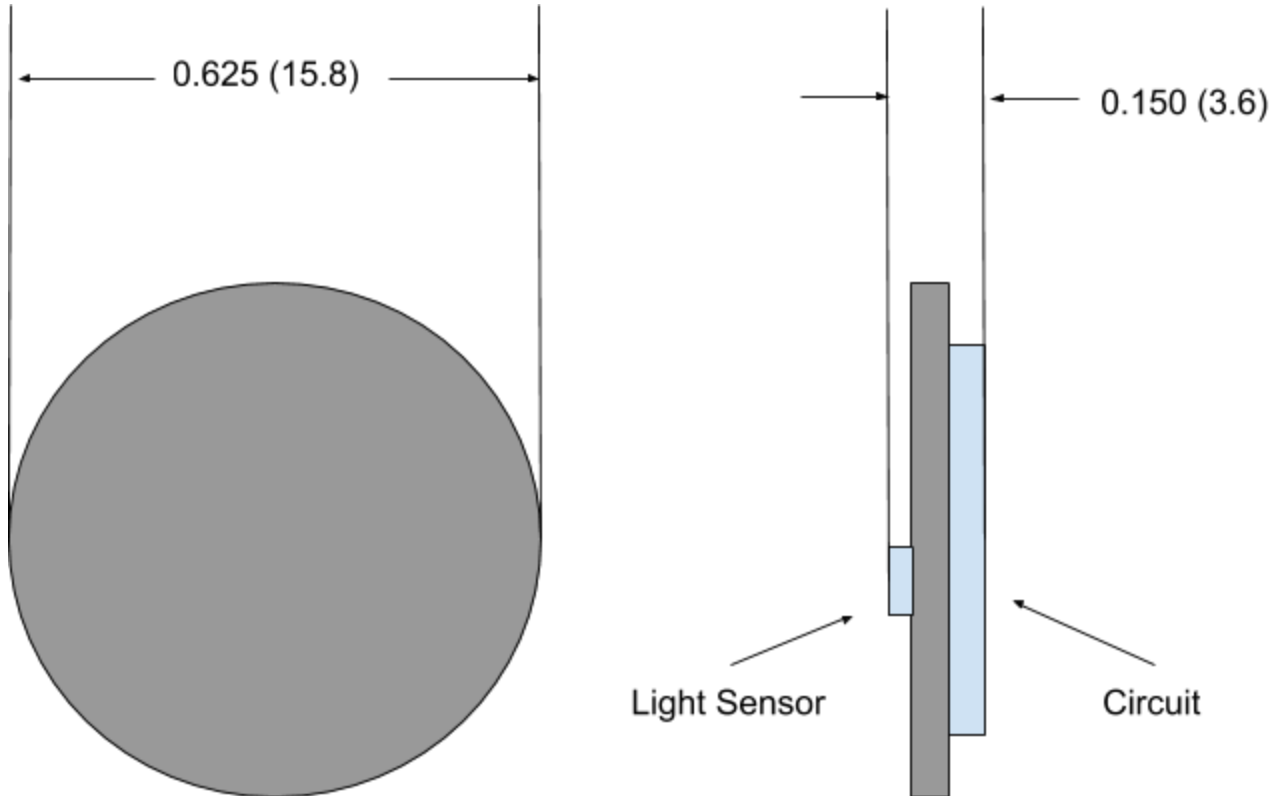


Pulse Sensor Optical Heart Rate Monitor

Absolute Maximum Ratings

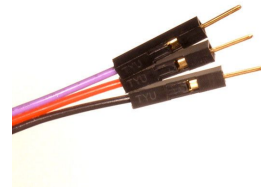
	Min	Typ	Max	Unit
Operating Temperature Range	-40		+85	°C
Input Voltage Range	3		5.5	V
Output Voltage Range	0.3	Vdd/2	Vdd	V
Supply Current	3		4	mA

Physical Dimensions PCB inch(mm)



Cable and Connection Details

- Length 24 inches (610 mm)
- 26 Gauge, Soft braided-wire
- PVC Insulation, Ribbon Style
- Male Header Termination
 - Black Wire = GND
 - Red Wire = Vdd
 - Purple Wire = Pulse Signal



Open Source Hardware Association Certification Number: US000075

