

Pulse Heart Rate Sensor



Features:

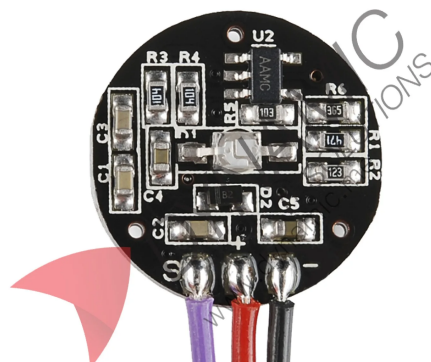
The Pulse Heart Rate Sensor is an optical PPG sensor that uses a reverse-mounted LED and ambient light sensor to detect reflected light through capillary tissue. The front of the sensor, marked with a heart logo, is the contact surface that touches the skin. The LED shines through this surface while the light sensor measures variations in reflection to determine heart rate. Designed for Arduino and other microcontrollers, it delivers an analog output corresponding to pulse rhythm and supports real-time monitoring applications such as fitness tracking, biofeedback, and education.

Specifications

Operating Voltage Range	3V to 5.5V
Output Voltage Range	Min 0.3V / Typ Vdd/2 / Max Vdd (V)
Supply Current	3–4 mA
Operating Temperature Range	-40°C to +85°C
Cable Length	610 mm (24 inches)
Wire Gauge	26 AWG
Insulation Type	PVC, Ribbon Style
Termination Type	Male Header
Wire Color (Red)	Vdd (+3V to +5V)
Wire Color (Black)	GND
Wire Color (Purple)	Pulse Signal
Usage	Heart rate detection via fingertip or earlobe for Arduino projects

Pinouts:

Pin Name	Type	Description
Red	Power	+3V to +5V supply input
Black	Ground	Electrical ground connection
Purple	Signal	Analog pulse signal output



Product Dimensions:

