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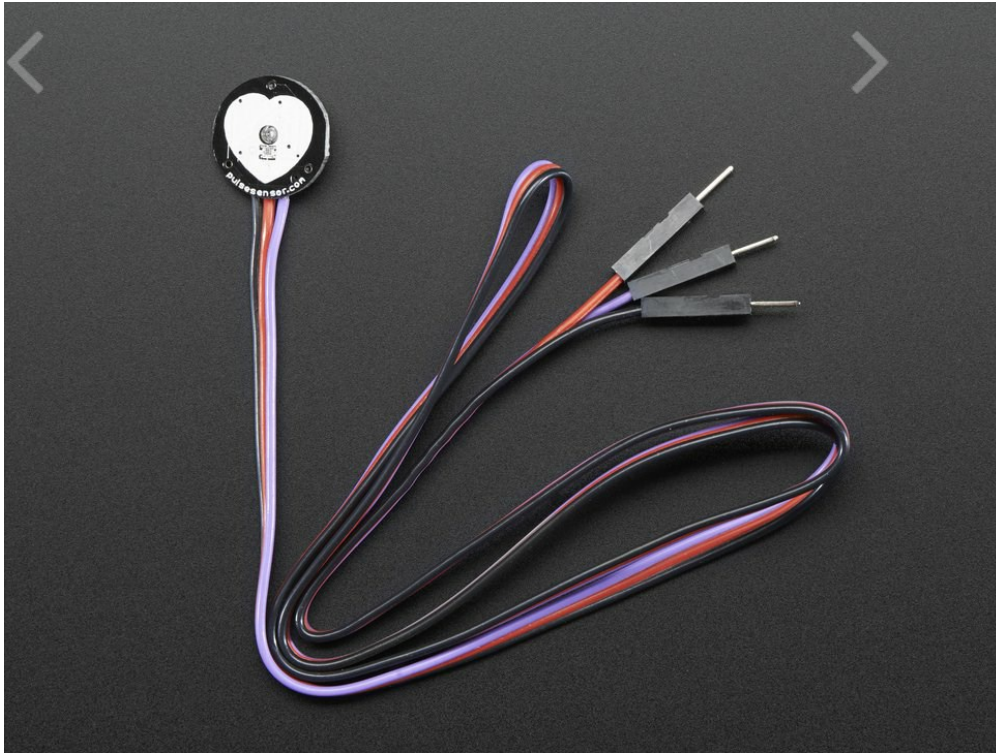
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Arrow Electronics, Inc
9201 East Dry Creek Road
Centennial, CO 80112



Pulse Sensor Amped

PRODUCT ID: 1093

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[DESCRIPTION](#)[TECHNICAL DETAILS](#)

DESCRIPTION

Pulse Sensor Amped is a greatly improved version of the original Pulse Sensor, a plug-and-play heart-rate sensor for Arduino and Arduino compatibles. It can be used by students, artists, athletes, makers, and game & mobile developers who want to easily incorporate live heart-rate data into their projects.

Pulse Sensor Amped adds amplification and noise cancellation circuitry to the hardware. It's noticeably faster and easier to get reliable pulse readings. Pulse Sensor Amped works with either a 3V or 5V Arduino.

Lastly, the [Pulse Sensor creators](#) have also streamlined and improved the [Processing visualization software and Arduino code](#) that comes with this hardware.

The kit includes:

- A 24-inch Color-Coded Cable, with a standard male header connectors. Plug it straight into an Arduino or a Breadboard. No soldering is required.
- An Ear Clip, perfectly sized to the sensor. It can be hot-glued or epoxied to the back of the sensor to get reading from an ear lobe.
- Parts to make a handy Velcro finger strap. This is another great way to get heart-rate data.
- 4 Transparent Stickers, to insulate the front of the Pulse Sensor from oily fingers and sweaty earlobes.
- The Pulse Sensor has 3 holes around the outside edge which make it easy to sew it into almost anything.
- [Visualization software](#) (made in Processing) to instantly see output of the sensor and for troubleshooting.

TECHNICAL DETAILS

[Getting Started Project](#)

[Getting Advanced Code](#)

[Pulse Sensor Processing Visualizer](#)

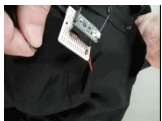
[Getting started video!](#)



[Datasheet](#)

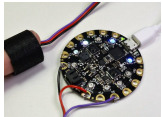
[Getting Started Guide PDF](#)

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Control room lighting & sound with the beat of your heart.

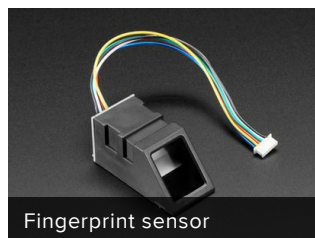
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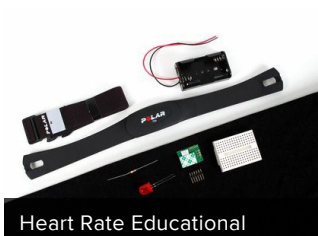
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