

---

---

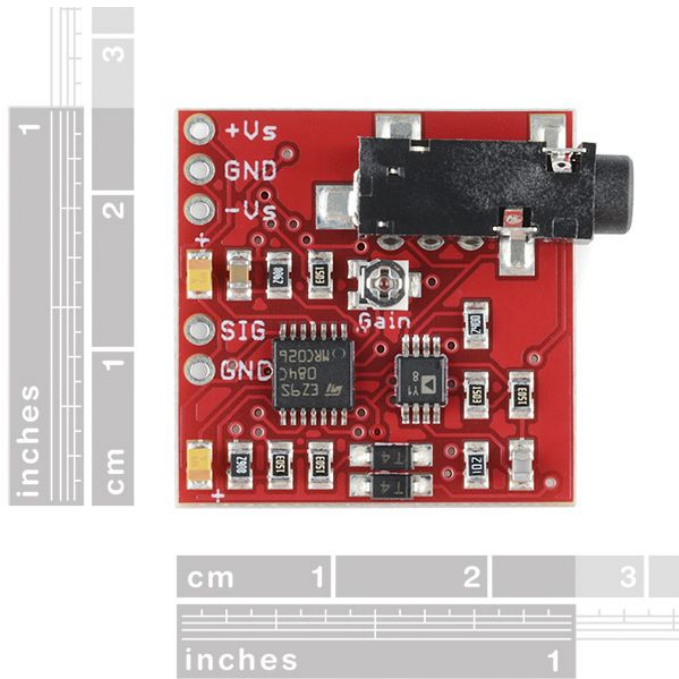
# Muscle Sensor

— Parker Murphy —

---

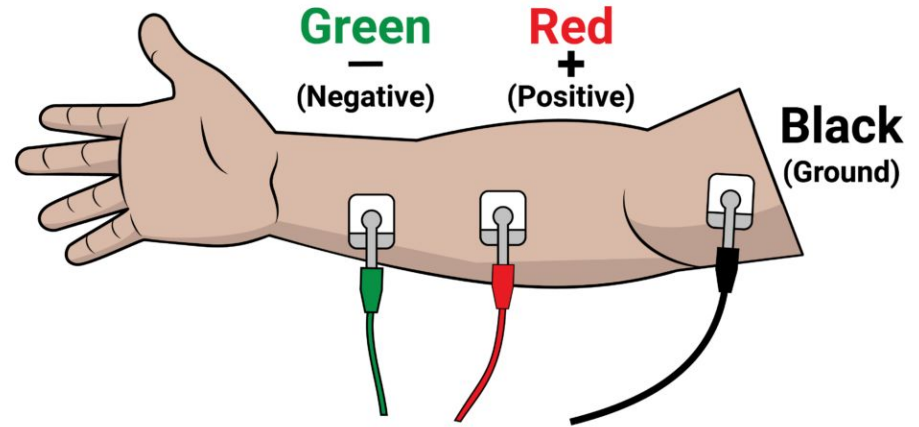
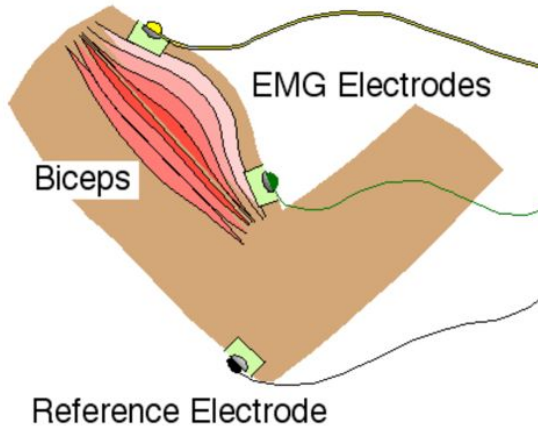
---

# What it Does

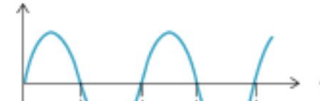


# EMG

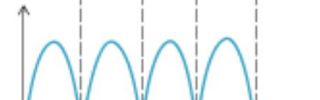
1. Choose Muscle
2. Place Electrodes
3. Receive Electrical Signal
4. Process Signal



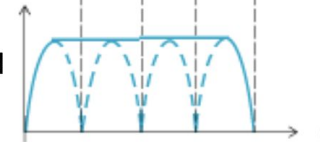
RAW Sine Wave



Full Wave Rectified Sine Wave

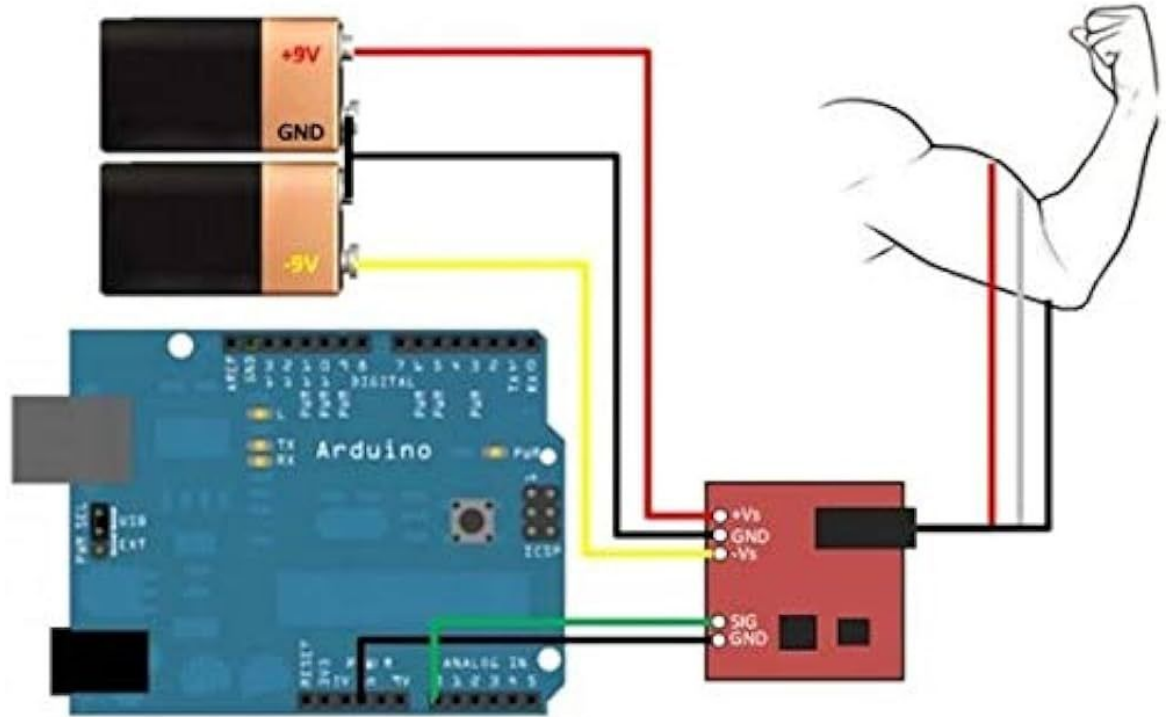


Rectified & Smoothed Sine Wave



# Interfacing

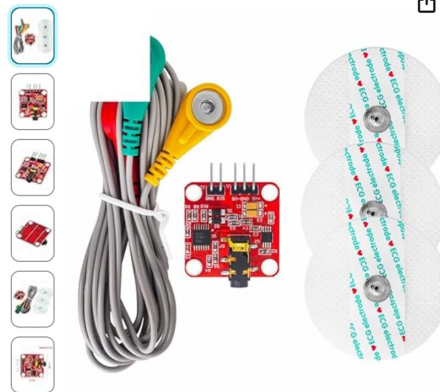
- Pins
- Batteries
- Setup
- Trigger



Cost

Chip≈\$19

Electrodes≈\$10



Roll over image to zoom in



## Muscle Electrical Sensor Module Muscle Analog Signal EMG Raw Signal Collection Electronic Development Kit for Arduino

Brand: Generic

5.0 ★★★★★ 1 rating | [Search this page](#)

\$18<sup>45</sup>

- Muscle Electrical Sensor Module Muscle Analog Signal EMG Raw Signal Collection Electronic Development Kit for Arduino

[Report an issue with this product or seller](#)



Bus Bar Terminal Block with Cover, by BJZ...

\$15<sup>99</sup> ✓prime

Sponsored ⓘ

## 3m Red Dot Monitoring Electrode - Model 2560 - Bag of 50

Brand: 3M

4.6 ★★★★★ 338 ratings | [Search this page](#)

600+ bought in past month

-10% \$9<sup>95</sup> (\$0.20 / count)

List Price: \$11.00 ⓘ

Save up to 12% with business pricing. Sign up for a free Amazon Business account

- ECG Monitoring Electrode
- Foam Backing
- Snap Connector
- Sticky Gel
- Non-Radiolucent

# Uses

- Prosthetics
- Physical Therapy
- Video Games/VR

