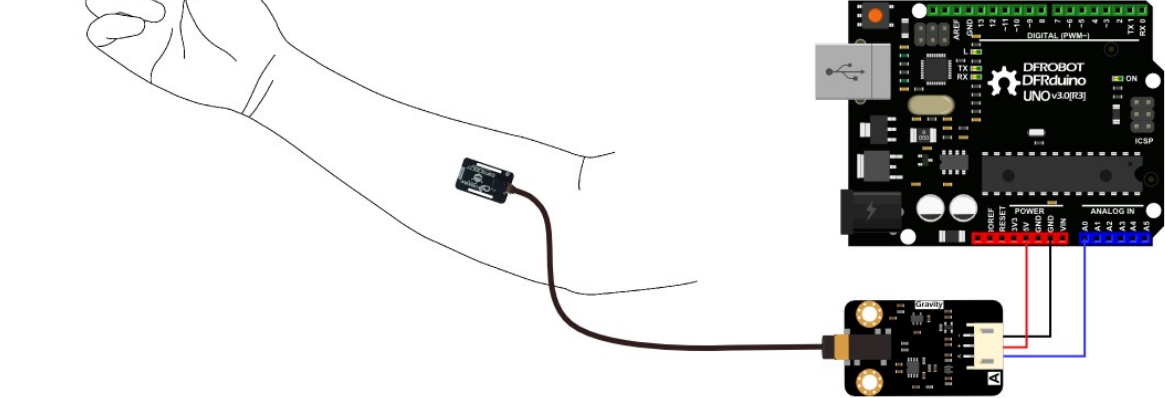
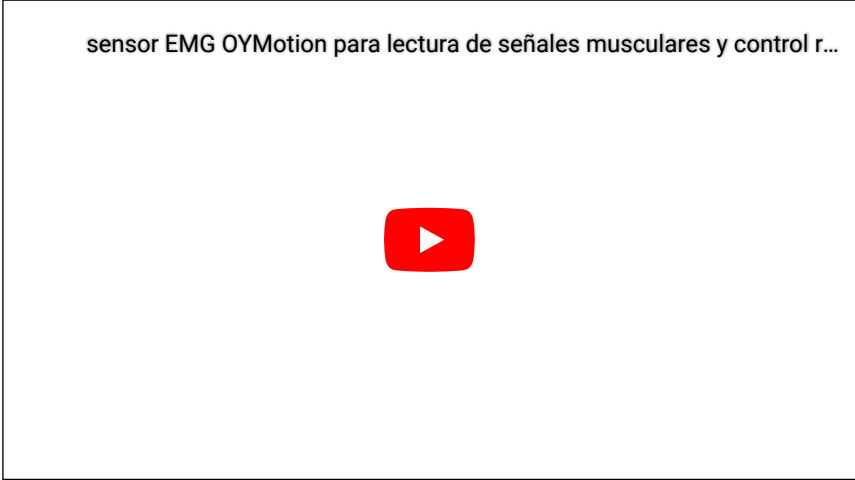


FAC





Connect EMG Sensor with Arduino
OYMotion EMG sensor for muscle signal reading and robotic control | editronikx



Gravity: Analog EMG Sensor by OYMotion

\$49.50

In Stock

Quantity:

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- Attention:
1. The supply voltage range is 3.3~5.5V; The supply current should not be less than 20mA; The ripple current and disturbance current should be as low as possible. Stabilized DC voltage is recommended.
 2. The effective spectrum range is 20Hz ~ 500Hz, and the ADC converter which has higher than 8-bit resolution and 1 kHz frequency are recommended to take samples and digitized to keep original information.
 3. Placing the metal dry electrode should consistent with the direction of muscle.
 4. The product is not a professional medical device and cannot diagnose and cure disease as an assistant device.

FEATURES

- Metal Dry Electrode: long life, easy to use
- Differential input, high common mode rejection ratio
- Low power consumption
- Single power supply

SPECIFICATION

Signal Transmitter Board

- Supply Voltage: +3.3V ~ 5.5V
- Operating Voltage: +3.0V
- Detection Range: +/-1.5mV
- Electrode Connector: PJ-342
- Module Connector: PH2.0-3P
- Output Voltage: 0 ~ 3.0V
- Operating Temperature: 0 ~ 50°C
- Size: 22mm*35mm (0.87inch*1.38inch)

Dry Electrode Board

- Electrode Connector: PJ-342



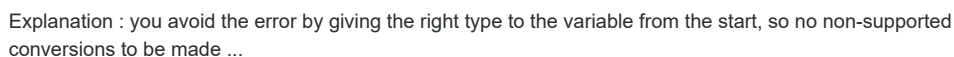
(<https://www.linkedin.com/company/indropop>)




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Sofiane.Koz


• 3 years ago

hi I have a problem when I launch the arduino IDE series monitor to check the value that is 0 no matter what I do.

^ | v

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DFRobot Support

Mod → Sofiane.Koz • 3 years ago

Hi


When we use this sensor, we need to make sure we are strong people.

In our company tests, many thin boys and girls usually do not detect any EMG values.

^ | v

• Reply

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Sofiane.Koz


→ DFRobot Support • 3 years ago

what do I have to do then? your emg doesn't work with thin people !!!!!?

^ | v

• Reply

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DFRobot Support

Mod → Sofiane.Koz • 3 years ago • edited

Im sorry


But if you can find one stronger people,or put this sensor on your body which stronger than your arm.....

Don't forget to calibration it.

^ | v

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Justin Lee

• 3 years ago

i have downloaded the arduin 1.8 for mac osx. i have copied the sample code and i am still not able to get this thing to work. can someone on here please give me step by step instructions along with the correct code so that i can make this work. i keep getting error messages about emgfilters.h library not included.

Look i am a total rookie on this stuff and don't know what i am doing.

heres what i need to do...


1.make the beetle ble and emg sensor broadcast to a program to show me what the muscle voltages are. right now i have the beetle plugged into my usb port on my iMac

Someone please help because this is completely frustrating me.

^ | v

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Justin Lee

→ Justin Lee • 3 years ago

this is the error message i get

Build options changed, rebuilding all

```
/Users/justinlee/Documents/Arduino/sketch_oct12d/sketch_oct12d.ino:16:24: fatal error: EMGFilters.h: No such file or directory

#include "EMGFilters.h"

^

compilation terminated.


exit status 1

Error compiling for board Arduino/Genuino Uno.
```

^ | v

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Justin Lee

→ Justin Lee • 3 years ago

Arduino: 1.8.5 (Mac OS X), Board: "Arduino/Genuino Uno"

Build options changed, rebuilding all

```
/Users/justinlee/Documents/Arduino/sketch_oct12d/sketch_oct12d.ino:16:24: fatal error: EMGFilters.h: No such file or directory

#include "EMGFilters.h"

^

compilation terminated.

exit status 1

Error compiling for board Arduino/Genuino Uno.
```

This report would have more information with

"Show verbose output during compilation"

option enabled in File -> Preferences.

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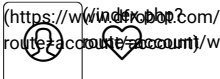


eng master95 • 3 years ago

Hi!! I am working on a project of manufacturing a powered prosthesis for below-knee amputees, which works using EMG signals. In such a case, the sensor is positioned under a socket which is a critical pressured place. I tried a Myoware muscle sensor and it had a bad accuracy, maybe that because it was in a pressured position. Is this sensor will act better?

^ | v • Reply • Share ›

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