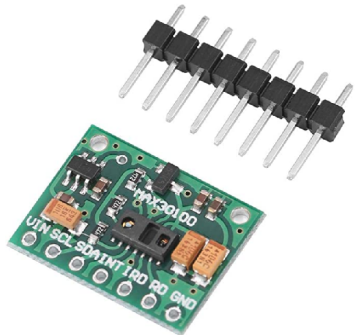


Max30100 Sensor Interface

max30100 pulse oximetry and heart-rate monitor sensor
I2C-Compatible Interface



https://www.amazon.com/MAX30102-Detection-Concentration-Compatible-Arduino/dp/B07ZQNC8XP/ref=asc_df_B07ZQNC8XP/?tag=hyprod-20&linkCode=df0&hvadid=459704843517&hvpos=&hvnetw=g&hvrand=17481186508344180679&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9031968&hvtargid=pla-914929956645&psc=1

MH-ET LIVE MAX30102 Heart Rate Sensor Module

An advertisement for the MH-ET LIVE MAX30102 Heart Rate Sensor Module. It features a large heart shape composed of circuit traces, with the sensor module placed inside. Below the heart, there is a hand being measured by the sensor module, with a red heart icon and a pulse line graphic. The text 'Main Parameters:' is followed by a list of specifications, with the first item 'LED peak wavelength: 660nm/880nm' highlighted by a red box.

Main Parameters:

- LED peak wavelength: 660nm/880nm
- LED power supply voltage: 3.3~5v
- Detection signal type: light reflection signal (PPG)
- Output signal interface: I2C interface
- Communication interface voltage: 1.8~3.3V~5V (optional)
- Board reserved assembly hole size: 0.5x8.5mm

Roll over image to zoom in

Max30100 Sensor Interface On Arduino STM 320

max30100 pulse oximetry and heart-rate monitor sensor

Arduino STM32

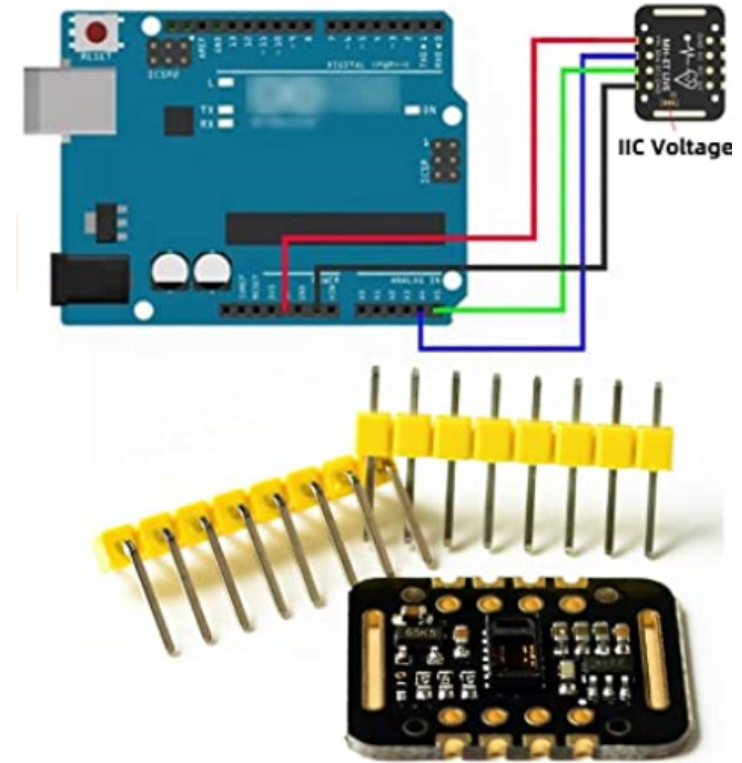
https://www.amazon.com/MAX30102-Detection-Concentration-Compatible-Arduino/dp/B07ZQNC8XP/ref=asc_df_B07ZQNC8XP/?tag=hyprod-20&linkCode=df0&hvadid=459704843517&hvpos=&hvnetw=g&hvrand=17481186508344180679&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9031968&hvtargid=pla-914929956645&psc=1

Integrates a red LED, a infrared LED, aphotodetector, an optical equipment and a low noise electronic circuit with environmental light suppression.

The standard I2C compatible communication interface can transmit the collected data to Arduino, KL25Z and other microcontrollers for heart rate and blood oxygen calculation.

Apply to wearable device for heart rate and blood oxygen collection, worn on fingers, ear lobes, wrists and other places.

The chip can also turn off the module by software, and the standby current is close to zero, so that the power supply can always be maintained.



Roll over in