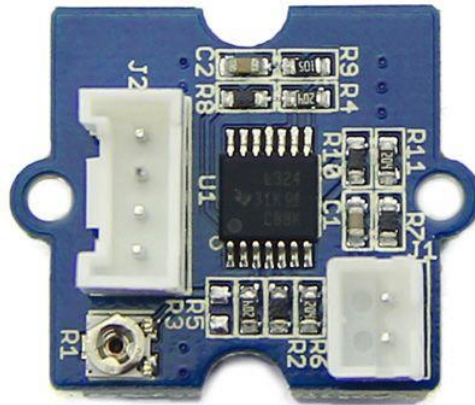


## Grove - GSR sensor – 101020052



## PRODUCT DETAILS

Grove - GSR Sensor stands for galvanic skin response and it is a method of measuring the electrical conductance of the skin. It can be used to reflect human emotional activity. When we are emotionally stressed or have strong expressions on the face, sympathetic activity increases and promotes the secretion of sweat glands, which increases the skin's electrical conductivity.

Grove - GSR allows you to spot such strong emotions by simply attaching two electrodes to two fingers on one hand. It is an interesting gear to create emotion related projects like sleep quality monitor. In some galvanic skin response devices such as lie detectors, this scientific principle is also applied

### Features

- Detects conductance of skin
- Finger Straps for electrodes

### Technical details

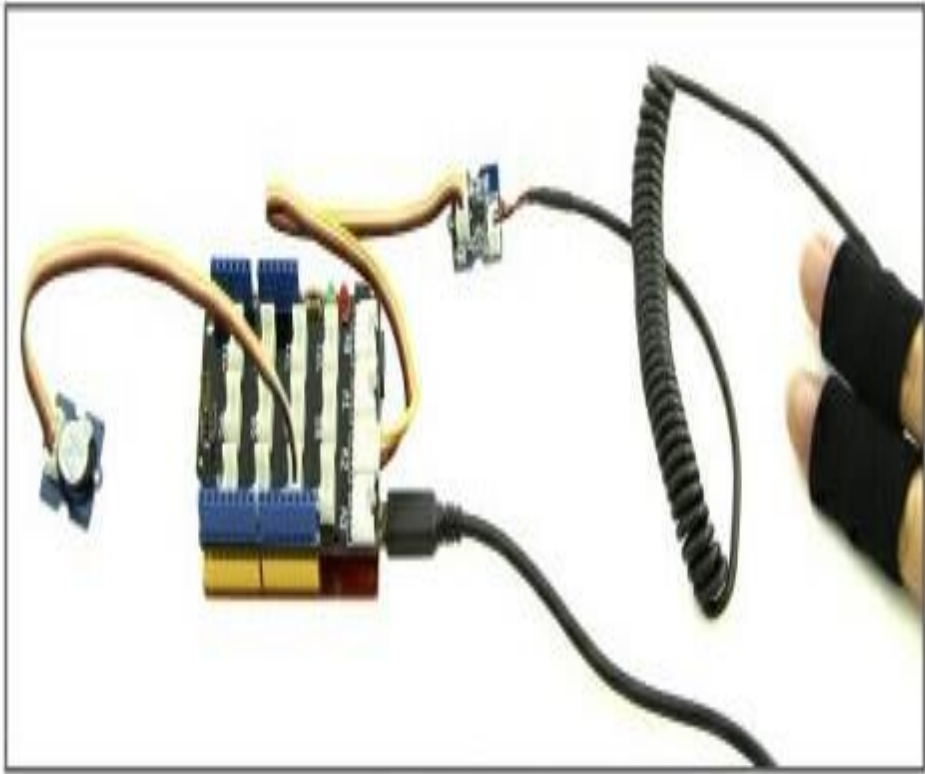
Dimensions	24mm x20mm x9.8mm
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Weight	G.W 29g
Battery	Exclude
Input Voltage	5V/3.3V
Sensitivity adjustable via a potentiometer	

**Part List**

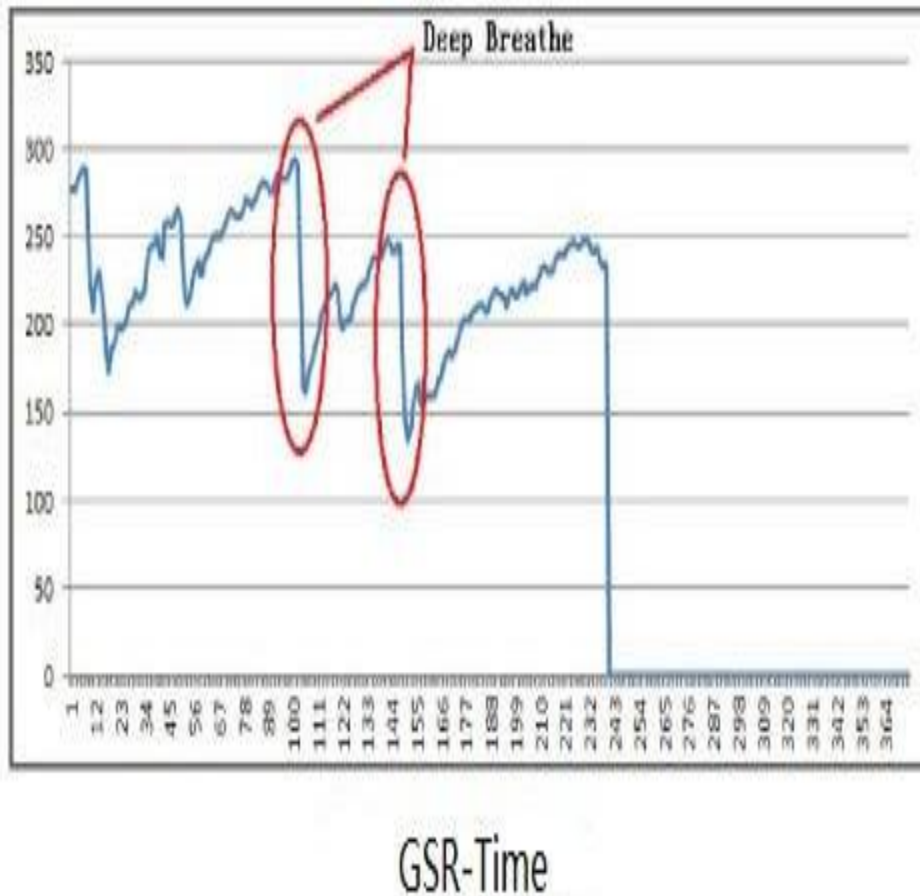
Grove - GSR Sensor	1
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**GSR Experiment**



Module connection diagram

In the experiment, we inserted our fingers into the two electrode fingertips of the sensor and connected a [Buzzer](#) to the digital output of the seeduino.



During the test, the value detected by the sensor will continue to change within a certain range. When the tester takes a deep breath, the range of the fluctuation will suddenly increase and exceed the threshold we set, and then the buzzer will be triggered.

Note: This device is not a medical device.