Flora UV Index Sensor – Si1145 Light Sensor

PRODUCT ID: 1981

Your wearable can now keep you from getting sunburnt, with the Flora digital UV index sensor. We took our popular SI1145 UV index sensor and cut out everything you don't need for using with a Flora. It's small, round, and connects to the I2C bus pads. Flora can even use our library code to get calibrated light level and UV index data from the sensor.

Please note: this sensor can be used by Flora but is too complex for Gemma!

To use: connect the 3V, SDA and SCL, and GND pads of the sensor to your Flora 3V/SDA/SCL/GND pads, in that order. Then load up our Arduino library and example code from our tutorial to your Flora.

Technical Details

SI1145 Details:

- IR Sensor Spectrum: Wavelength: 550nm–1000nm (centered on 800)
- Visible Light Sensor Spectrum: Wavelength: 400nm–800nm (centered on 530)
- Voltage Supply: Power with 3 VDC
- I2C address 0x60 (7–bit)
- Operating Temperature: –40°C ~ 85°C

Breakout Board details:

- Diameter: 14mm / 0.6"
- Height: 2mm / 0.08"
- Weight: 0.3g

Datasheets, Fritzing objects, and EagleCAD PCB files available in the tutorial

https://www.adafruit.com/product/1981?gclid=EAIaIQobChMIpM-Nwdba2gIVwsDACh3YlQzdEAAYASAAEgJINvD_BwE 4-27-18