

## SparkFun gator:UV - micro:bit Accessory Board

SEN-15273

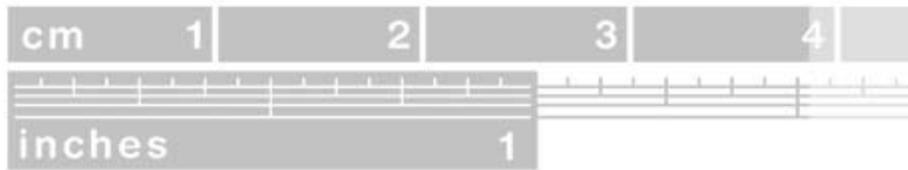
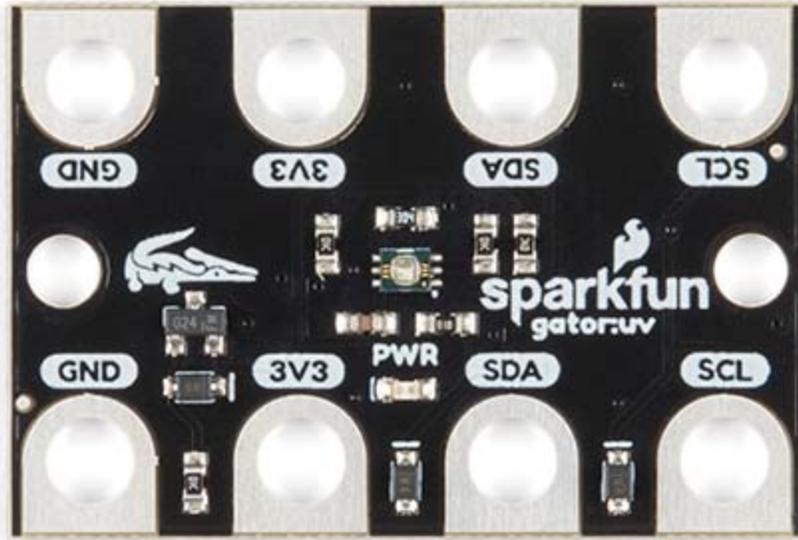
The SparkFun gator:UV micro:bit Accessory Board is an ultraviolet sensing solution created to interface with the micro:bit as easily as possible. As part of SparkFun's gator:bit series of alligator-clippable accessories, it can be easily interfaced with the micro:bit or other microcontrollers via the SparkFun gator:bit! This sensor board a great solution for monitoring the UV light exposure in your next experiment! The gator:UV is designed around the VEML6070, an advanced UV light sensor that communicates over an I<sup>2</sup>C bus, incorporating a photodiode, amplifiers, and analog/digital circuits all into a single chip.

The UV Light Sensor Breakout has measures UVA (365 ±10nm) radiation and converts the ultraviolet light intensity into digital data for you to read.

*The micro:bit is a pocket-sized computer that lets you get creative with digital technology. Between the micro:bit and our shield-like bit boards you can do almost anything while coding, customizing and controlling your micro:bit from almost anywhere! You can use your micro:bit for all sorts of unique creations, from robots to musical instruments and more. At half the size of a credit card, this versatile board has vast potential!*

### FEATURES

- gator:bit Compatible
- Operating Voltage: 1.7V-3.6V
- Supply Current: 480  $\mu$ A
- UVA Resolution: 0.93 counts/ $\mu$ W/cm<sup>2</sup>
- UVA Resolution: 2.1 counts/ $\mu$ W/cm<sup>2</sup>



<https://www.sparkfun.com/products/15273/9-12-19>