



SparkFun Triad Spectroscopy Sensor - AS7265x (Qwiic)

SEN-15050

4

DESCRIPTION

FEATURES

DOCUMENTS

- Selectable interface: I²C or Serial (115200bps)
- 18 frequencies of light sensing from 410nm to 940nm
- 28.6 nW/cm² per count
- Accuracy of +/-12%
- Integrated 405nm UV, 5700k White, and 875nm IR LEDs
- Software control over each illumination LED as well as current control
- Optional external bulb or illumination control
- Programmed with latest firmware from AMS

Tags

AS7265X I2C INFRARED IR QWIIC SENSOR SPARKFUN ORIGINAL

SPECTRAL SPECTROSCOPY TRIAD ULTRA-VIOLET UV

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SparkFun Triad Spectroscopy Sensor - AS7265x (Qwiic) Product Help and Resources

TUTORIALS

VIDEOS

SUPPORT TIPS

SKILLS NEEDED



Spectral Triad (AS7265x) Hookup Guide

NOVEMBER 8, 2018

Learn how to wield the power of 18 channels of UV to NIR spectroscopy with AS72651 (UV), AS72652 (VIS), and AS72653 (NIR) sensors!

COMMENTS

15

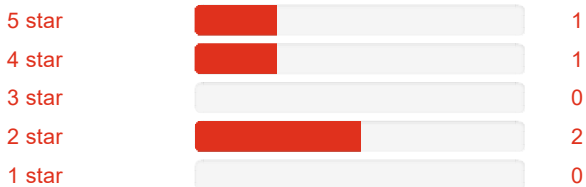
REVIEWS

4

Customer Reviews

★★★★☆ 3.3 out of 5

Based on 4 ratings:



Currently viewing all customer reviews.

★★★★★ Great product

about a year ago by **c16259** ✓ verified purchaser

I am working on spectroscopy research and this is an ideal piece of electronic kit for the job. It works exactly how the support staff has described. I can see endless science application using the Triad sensor. Take my hat off to people who design the Triad.

★★★★☆ STEM Simplicity

about a year ago by **Monash Science** ✓ verified purchaser

Bought two units for a STEM-based experiment, building upon the classic Photoelectric Effect (PE) experiment. Students created an RGBAI light source to measure the photoelectric effect and test theories with varying wavelengths to determine the efficiencies of the detector.

A really useful outcome for such a basic physics prac.

★★★☆☆ Terrible Data Sheet

about 10 months ago by **Member #1246273** ✓ verified purchaser

No explanation of what to do with calibration data. How do you apply this to the raw data? Very poor explanation on how to use the virtual register. There are very large variations in my raw data. If I collect the data for a copper plate ten times, my standard deviation can be as high as 20,000 (yes, 20 THOUSAND). Did your data show such wide variations?

It makes me believe I got a defective AS7265x board!

Funda replied on May 28, 2019:

Sorry to hear that you are running into issues with this product. I highly suggest that you post on the SparkFun forums providing as many details as possible if you believe that you have received a defective product. Our forum moderators can assist with troubleshooting and confirm if the product is defective: <https://forum.sparkfun.com/viewforum.php?f=147&sid=ea4afd8ee56e1a69fa23186739a28b6c>

★★★☆☆ Wonder if I got a bad sensor !

about a month ago by **Member #1549398** ✓ verified purchaser


I concur with the previous review titled "Terrible Data Sheet". I bought this in October and have tested it extensively with various materials and my biggest problem has been how unstable the readings are. Like the previous reviewer said, I can scan the same material 10 times and each time the response will be significantly different. I have tried to eliminate background light by enclosing the triad in a black box, kept the distance to the sensor about 1.5" consistently and tried to keep all other variables to a minimum. Yet, for a single scan of the same material, if I let it sit there, the values in the visible range keep dropping constantly. I have scanned sunlight (out in the open) and incandescent light and got results that were highly unexpected. I wonder if I have a defective product. I posted a question in the forums weeks ago with pictures and there were zero responses from the moderators.



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SOMETHING



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