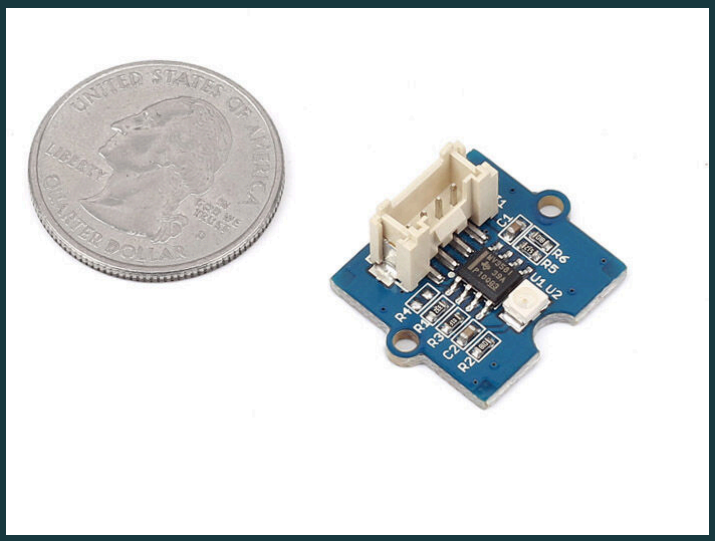
seeed studio

INDUSTRIAL PRODUCT DATASHEET

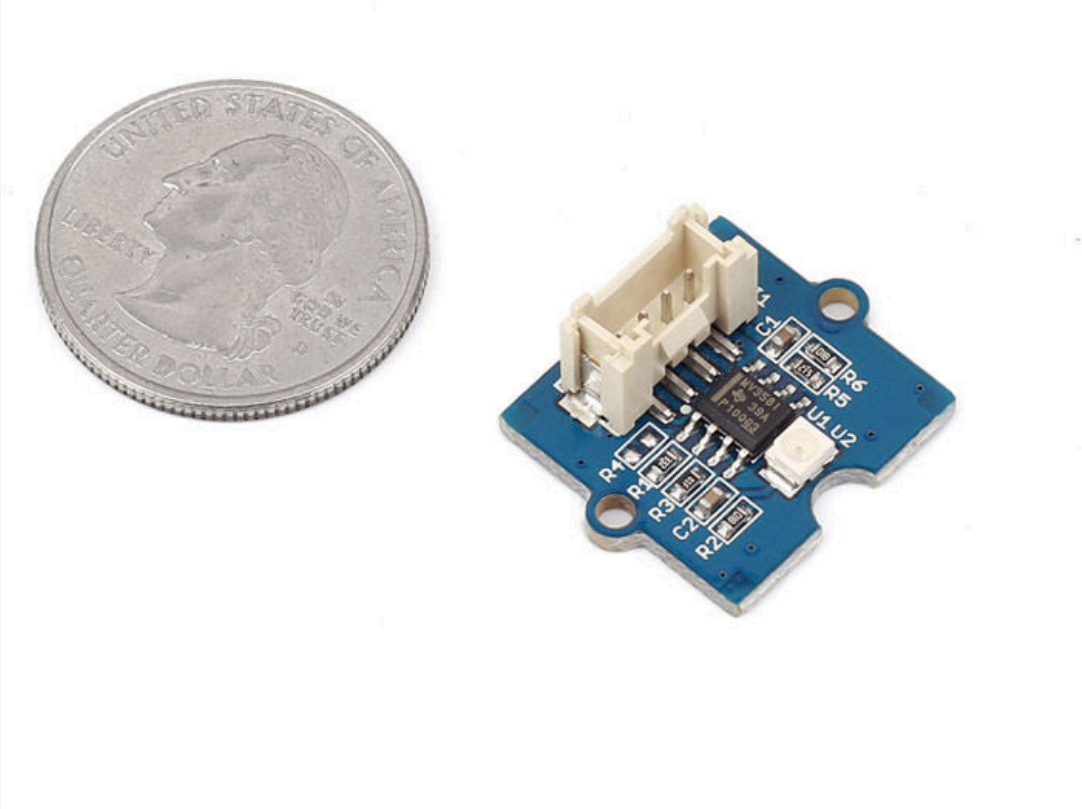
Grove - GUVA-S12D UV Sensor

Grove - GUVA-S12D UV Sensor: stable, sensitive wide-range UV detection with Grove plug-and-play connectivity for pharmaceutical, automotive, robotics, printing, and chemical applications.

SKU	UPDATED	PRICE
101020043	2026-11-03 03:56:34	$10.90(Excl. VAT)



Overview



The Grove - GUVA-S12D UV Sensor offers excellent stability from -30℃ to 85℃, outstanding sensitivity, a wide 240~370nm spectral response range, low power consumption with 3.3/5V supply, and a Grove unified socket for plug-and-play use. It is suitable for applications in pharmaceuticals, automobiles, robotics, printing industry solvent handling and dyeing processes, and chemical industry production, storage, and transportation of chemicals.

Key Features

01 **Excellent stability**

The sensor works perfectly in extremely cold(-30℃) and hot temperatures(85℃) .

02 **Outstanding sensitivity**

Faster and more accurate reading of the results obtained by the sensor.

03 **Wide response range**

With the support of the sensor (GUVA-S12D), it have a wide spectral range of 240~370nm.

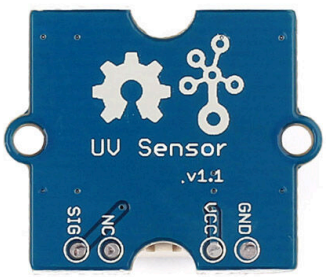
04 **Low power consumption**

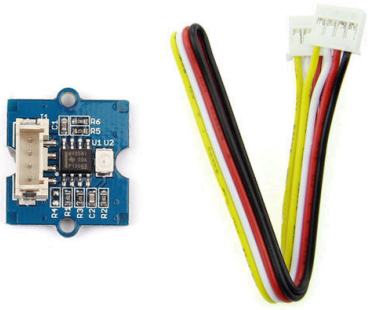
3.3/5V supply, suitable for many microcontrollers and SBCs.

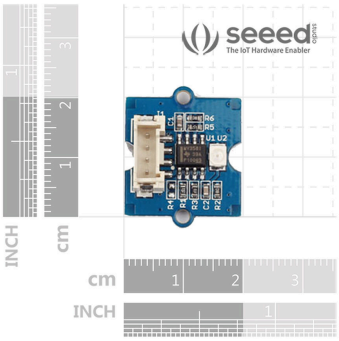
05 **Grove unified socket**

The sensor ensures "Plug and Play" and could be versatile for various applications.

Product Gallery







Applications

- **Pharmaceuticals**
- **Automobiles**
- **Robotics**
- **Printing industry:** for solvent handling and dyeing processes
- **Chemical industry:** for the production, storage, and transportation of chemicals as well

Resource Links

- https://www.seeedstudio.com/Grove-UV-Sensor.html
- Grove - UV Sensor v1.1 PCB and schematics(current version) in Eagle format
- Grove - UV Sensor v1.1 PCB(current version) in PDF format
- Grove - UV Sensor v1.1 schematics(current version) in PDF format
- Grove - UV Sensor v1.1 Sensor Datasheets(current version)
- US EPA Suggestions About UV Radiation
- Grove - UV Sensor v1.0 schematics and datasheets(older version)

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