

INDUSTRIAL PRODUCT DATASHEET

Grove - AC Voltage Sensor (MCP6002)

A plug-and-play AC voltage sensor for precise energy monitoring and IoT projects.

SKU

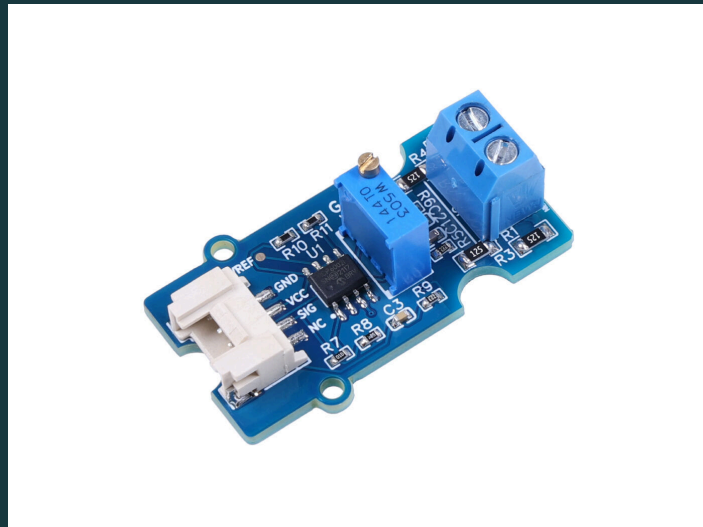
101991032

UPDATED

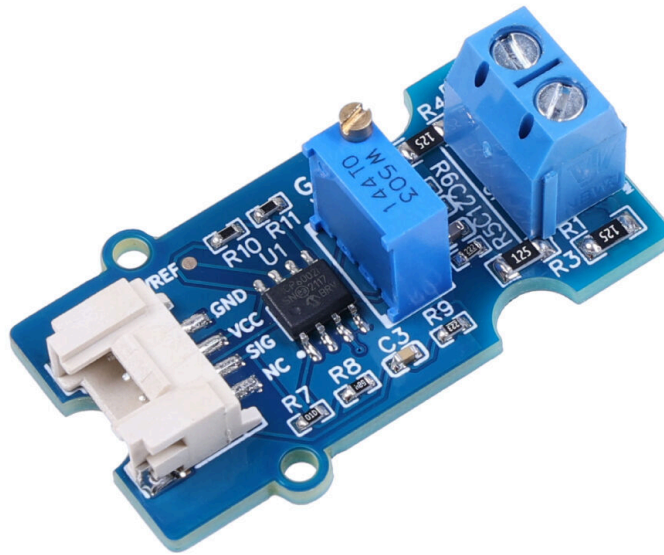
2026-04-15 07:39:54

PRICE

\$3.90(Excl. VAT)



Overview

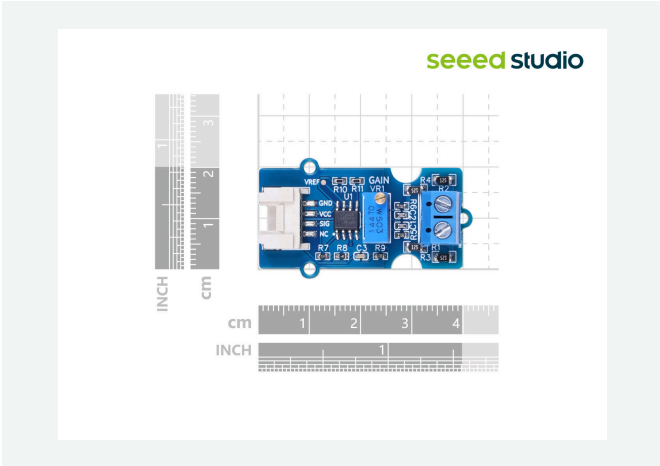
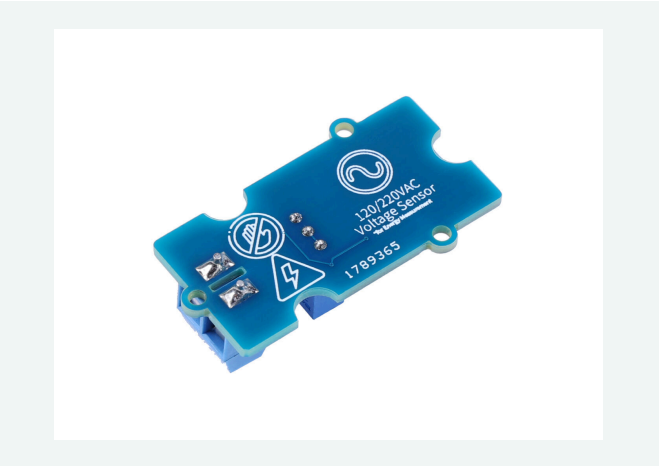
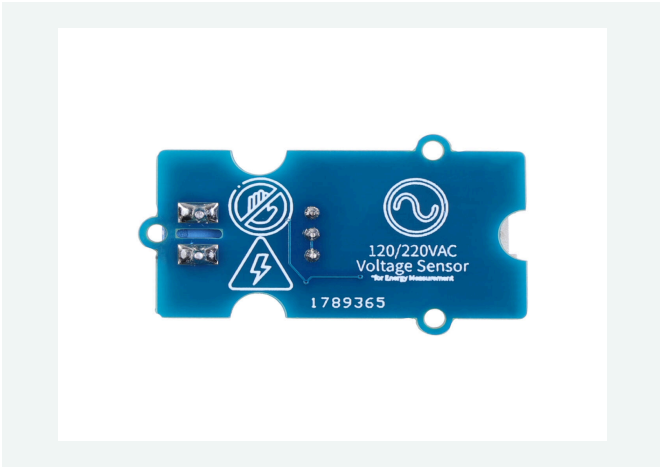
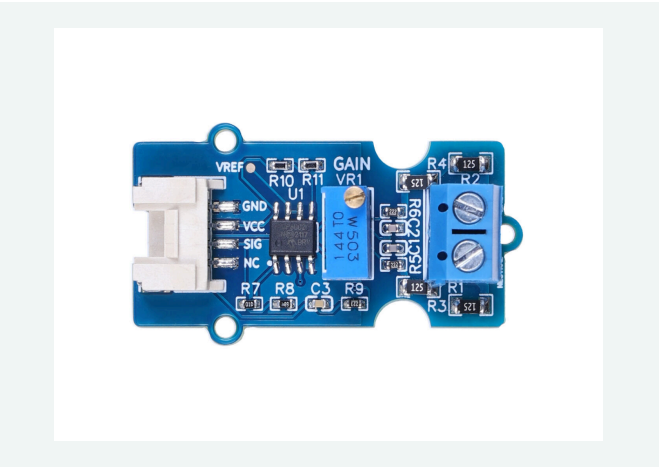


The Grove AC Voltage Sensor (MCP6002) accurately measures voltage changes in 120V-240V AC systems via an analog output, compatible with various development boards. It is ideal for applications such as smart energy monitoring, load identification, and home automation.

Key Features

- **High adaptability :** It has gained for different voltage inputs (120V-240V AC)
- **High compatibility:** Using Analog as output, it can be compatible with many different development boards
- **Accurately measure the voltage changes generated by high power loads when they are turned on**
- **Powerful IC:** Equipped with MCP6002 core with Analog output
- **Easy to Use:** Just sample plug and play which allows you to easily add wireless capabilities.

Product Gallery



Specification

Parameter	Range/Value
Input Voltage	5-3.3V
Output type	Analog
Module IC	MCP6002 (OPAMP)

Applications

- AC Voltage Meter.
- Smart Energy Monitoring.
- Machine Learning.
- Loads Identification.
- Home automation.
- IoT projects.

Part List

Grove Voltage Sensor	X1
----------------------	----

Compliance & Logistics

HSCODE	9030899090
USHSCODE	9030333800
UPC	
EUHSCODE	8473302000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Grove-AC-Voltage-sensor-p-5540.html>
- [Grove AC-Voltage Sensor Library](#)

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com