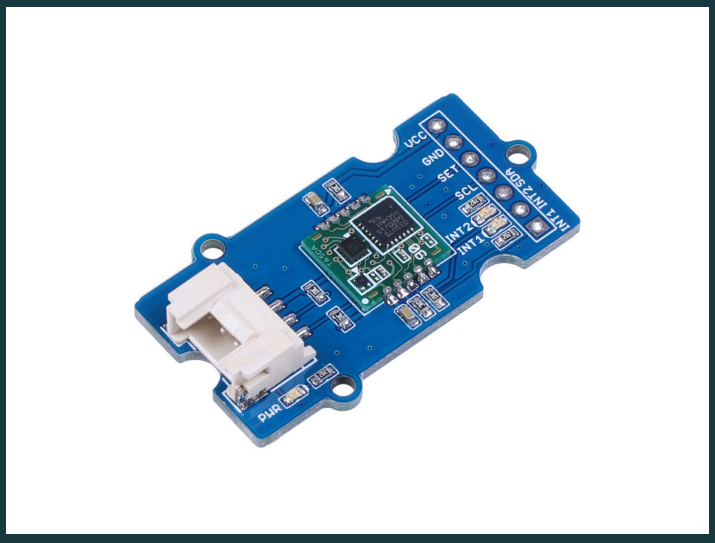
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INDUSTRIAL PRODUCT DATASHEET

Grove - D7S Vibration Sensor - real-time earthquake detect, I2C, Low Power Consumption

The Grove - D7S Vibration Sensor is an earthquake detection module that provides real-time monitoring of seismic activities.

SKU	UPDATED	PRICE
101021096	2026-11-11 08:59:09	$45.00(Excl. VAT)



Overview



The Grove - D7S Vibration Sensor is an earthquake detection module that provides real-time monitoring of seismic activities. It uses a high-precision accelerometer and advanced earthquake algorithms to detect and classify various types of vibrations based on their severity.

Key Features

01 **Real-Time Earthquake Detection**

The Grove - D7S Vibration Sensor uses advanced algorithms to detect and classify seismic events in real time. It can differentiate between different magnitudes of earthquakes and provide corresponding alert signals.

02 **Simple Connection and Operation**

Uses the standard Grove connector (HY2.0 - 4Pin) for easy integration with other Grove modules. No complex wiring or soldering is required, making it accessible to users of all skill levels.

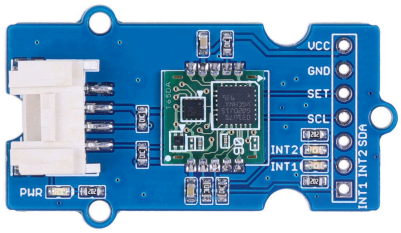
03 **Low Power Consumption**

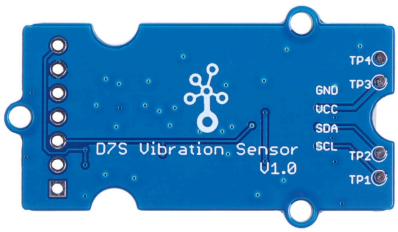
The sensor is designed to operate with low power consumption, making it suitable for long-term monitoring applications without draining the power source quickly.

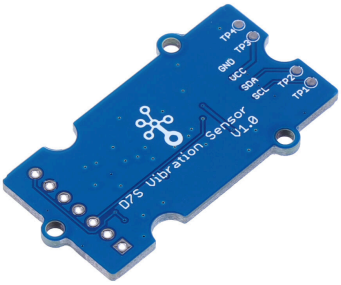
04 **Compact and Robust Design**

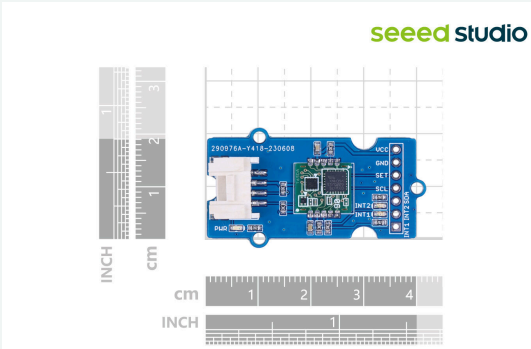
The Grove - D7S Vibration Sensor has a compact form factor, making it suitable for various applications where space is limited. Its robust construction ensures durability and reliable performance, even in harsh environments.

Product Gallery









Applications

- Earthquake Monitoring Systems
- Seismic Research and Analysis
- Structural Safety Assessment
- IoT-based Seismic Monitoring Networks

Resource Links

- https://www.seeedstudio.com/Grove-D7S-Vibration-Sensor-p-5701.html
- D7S chip

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