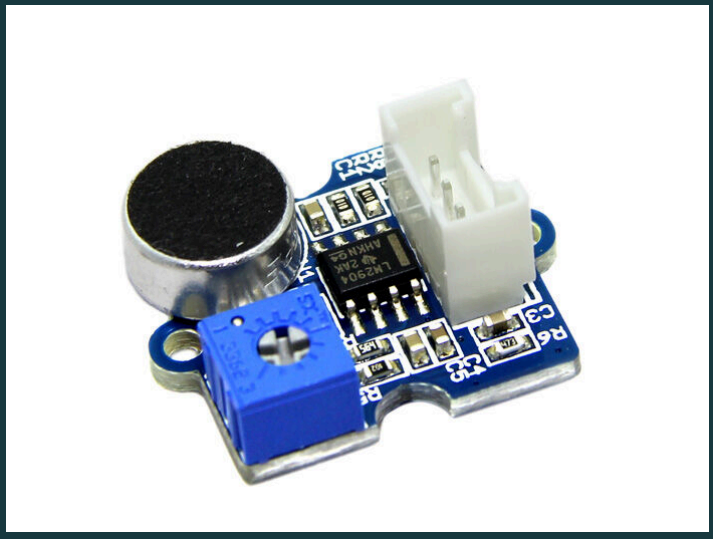
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INDUSTRIAL PRODUCT DATASHEET

Grove-Loudness Sensor-Based on amplifier LM2904&built-in microphone

The Grove-Loudness Sensor is based on amplifier LM2904 and a built-in microphone and is designed to detect the loudness of environmental sound.

SKU	UPDATED	PRICE
101020063	2026-11-11 07:42:48	$6.50(Excl. VAT)



Overview



The Grove-Loudness Sensor is based on amplifier LM2904 and a built-in microphone and is designed to detect the loudness of environmental sound.

Key Features

01 **Upgraded functionality**

Based on LM2904 -- Dual, 36-V, 1.2-MHz operational amplifier with -40°C to 125°C operation

02 **Wide supply voltage range**

In the range of 3.2V~5.2V

03 **Built-in signal filtering**

Input signal will go through two times filtering inside the module

04 **Adjustable output gain**

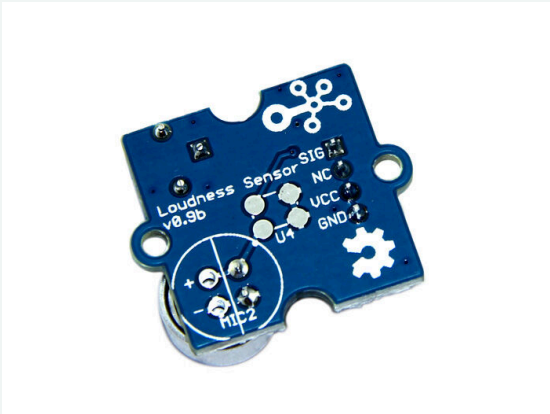
A screw potentiometer that enables manual adjustments to the output gain

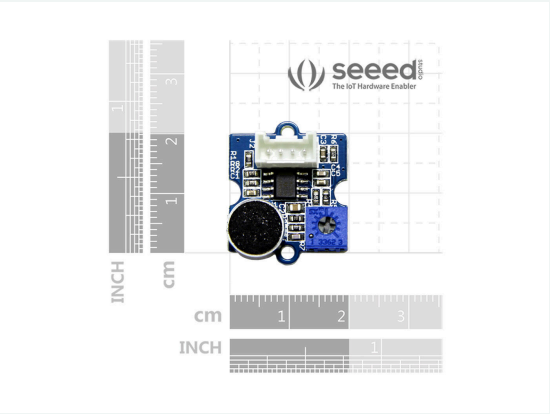
05 **Grove unified socket**

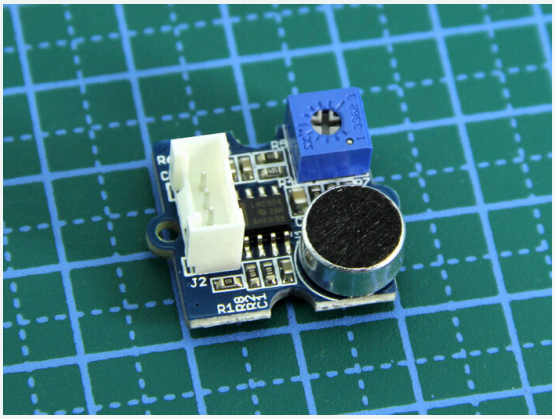
The product ensures "Plug and Play" and could be versatile for various applications of Grove

Product Gallery









Resource Links

- https://www.seeedstudio.com/Grove-Loudness-Sensor.html
- LM2904DR Datasheet
- Grove - Loudness Sensor Schematic
- Wiki of Sound Sensor/ Noise Detector for Arduino

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