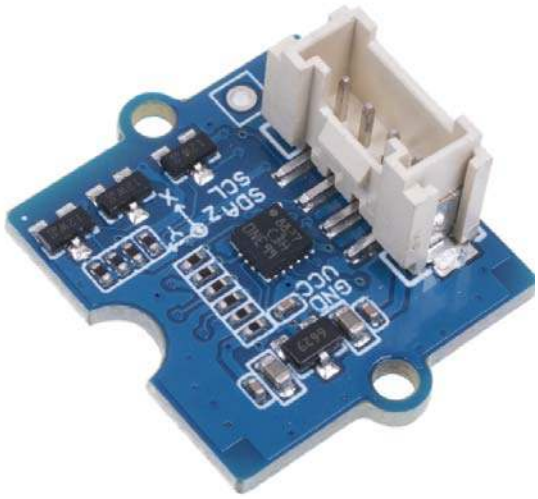
Grove - 3-Axis Digital Accelerometer (LIS3DHTR)

SKU 114020121



Key Features

- Measurement range: ±2g, ±4g, ±8g, ±16g, multiple ranges selection.
- Multiple interfaces option: Grove I2C interface, SPI interface, ADC interface.
- Temperature adjustable: able to adjust and tune the error caused by temperature.
- 3/5V power supply.

Description

Grove - 3-Axis Digital Accelerometer(LIS3DHTR) is a low-cost 3 - Axis accelerometer in a bundle of Grove products. It is based on the LIS3DHTR chip which provides multiple ranges and interfaces selection. You can never believe that such a tiny 3 - Axis accelerometer can support I2C, SPI, and ADC GPIO interfaces, which means you can choose any way to connect with your development board. Besides, this accelerometer can also monitor the surrounding temperature to tune the error caused by it.

Specification

Item	Value
Power Supply	3/5V
Interfaces	I2C/SPI/GPIO ADC
I2C address	Default 0x19, can be changed to 0x18 when connecting SDO Pin with GND
ADC GPIO Power input	0-3.3V

Interruption	An interruption Pin reserved
SPI Mode set up	Connect the CS Pin with GND

Comparision

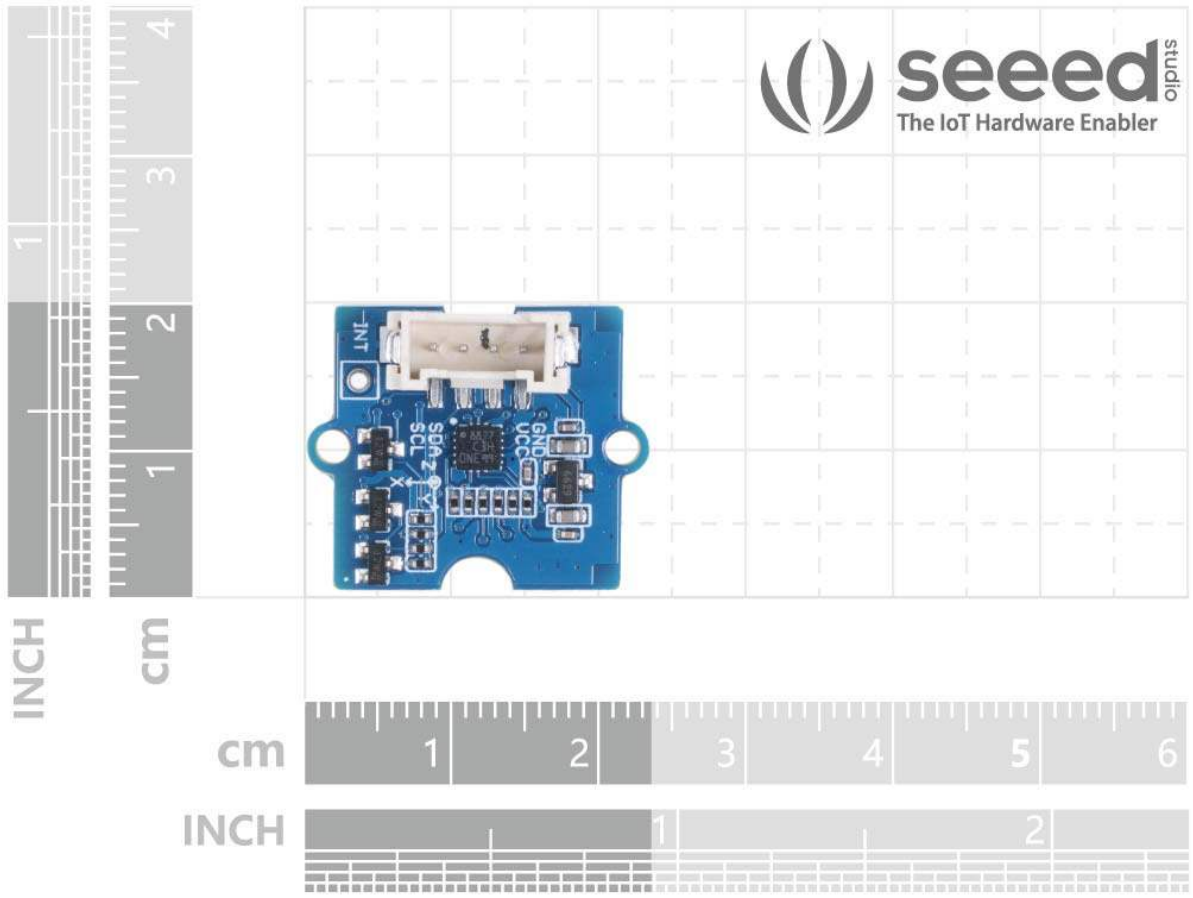
Product	Measurement Range	Output Port	Power Consumption
Grove - 3-Axis Analog Accelerometer (ADXL335)	±3g	Analog	measurement mode:150 μA standby mode:21 μA
Grove - 3-Axis Analog Accelerometer ±20g (ADXL356B)	±10g ±20g	Analog	measurement mode:150 μA standby mode:21 μA
Grove - 3-Axis Analog Accelerometer ±40g (ADXL356C)	±10g ±40g	Analog	measurement mode:150 μA standby mode:21 μA
Grove - 3-Axis Digital Accelerometer ±40g (ADXL357)	±10g@51200 LSB/g ±20g@25600 LSB/g ±40g@12800 LSB/g	Digital I2C	measurement mode:200μA
Grove - 3-Axis Digital Accelerometer ±200g (ADXL372)	±200g	Digital I2C	measurement mode:22μA
Grove - 3-Axis Digital Accelerometer (LIS3DHTR)	±2g,±4g ±8g,±16g	Digital I2C SPI GPIO ADC	measurement mode:150 μA standby mode:21 μA

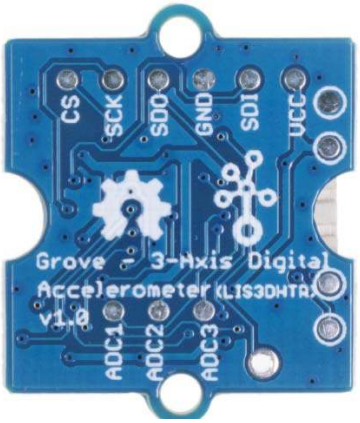
Part List

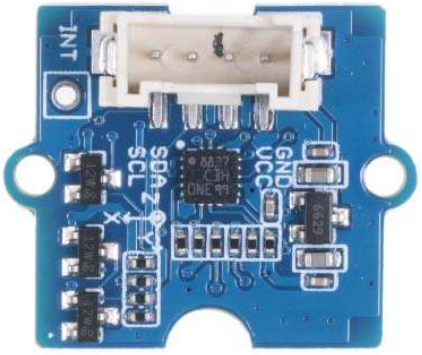
- 1 x Grove - 3-Axis Digital Accelerometer (LIS3DHTR)
- 1x Grove cable

ECCN/HTS

HSCODE	9031900090
UPC	







https://www.seeedstudio.com/Grove-3-Axis-Digital-Accelerometer-LIS3DHTR-p-4533.html/4-8-20