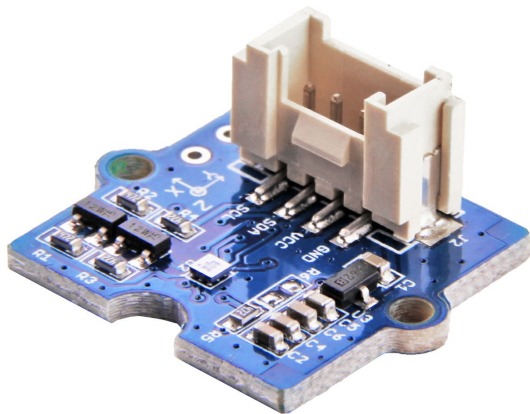
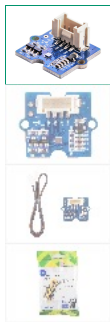




Grove - 3-Axis Digital Compass V2

SKU 101020492



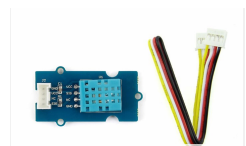
IN STOCK 12 Available

1

ADD TO CART

- Best-sellers
- Description
- Technical Details
- Learn
- Questions and Answers
- Related
- View History

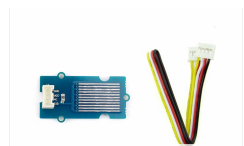
Best-sellers



Grove - Temperature & Hu...



Grove - Touch Sensor



Grove - Water Sensor



Grove - 3-Axis Digital Gyro

Description

The Grove - 3-Axis Digital Compass is a digital compass sensor based on Bosch BMM150. It allows measurement of the magnetic field in three perpendicular axes and the output can be read out over I2C and SPI interface, perfectly suitable for 3-Axis mobile applications.

This is the second generation of Grove - 3-Axis Digital Compass, comparing to the first version, this version can perfectly match the demanding requirements of all 3-Axis applications while the price is almost half of the first version, very cost effective.

Technical Details

Dimensions	20mm x 20mm x 15mm
Weight	G.W 15g
Battery	Exclude
Working Voltage	3.3V / 5V
Magnetic field range typical	±1300μT(x, y-axis), ±2500μT(z-axis)
Magnetic field resolution	0.3μT
Interface	I2C
Working Temperature	-40°C to +85 °C

Part List

Grove - 3-Axis Digital Compass V2	1
Grove Cable	1

Documents

- [\[Eagle File\]Grove - 3-Axis Digital Compass v2_Eagle File.zip](#)
- [\[Datasheet\]BMM150.PDF](#)

Learn



[\[Wiki\]](#) Grove - 3-Axis Digital Compass v2.0

The Grove - 3-Axis Digital Compass is a digital compass sensor based on Bosch BMM150. It allows measurement of the magnatic field in three perpendicular axes and the output can be read out over I2C and SPI interface

Questions and Answers

Have a question about this? Ask people who own it.

1

Like I need a theory on the device, the compass part mainly

chibuikemoke2 on Feb 27,2018

Reply

upvote (1)

Hi there~ You can refer to the datasheet of BMM150.Link below.Regards=====dividing line=====

https://github.com/SeeedDocument/Bazaar_doc/raw/master/101020492/BST-BMM150-DS001-01-786480.pdf

Seeed Techsupport Team on Feb 28,2018 10:58 AM

Reply

upvote (1)

1

Can I measure angular displacements with this device?

chibuikemoke2 on Feb 27,2018

Reply

upvote (1)

Hi there~ Yes you can.

Seeed Techsupport Team on Feb 28,2018 11:19 AM

Reply

upvote (1)

Related

Grove - 3-Axis Digital Gyro

Grove - 3-Axis Digital Acce...

Grove - 3-Axis Analog Acce...

Grove - 3-Axis Digital Acce...

View History

Mini vibration motor

Bluetooth V4.0 HM-11 BLE ...

Raspberry Pi A+&B+&2 40...

devDuino Sensor Node V4 ...

POPULAR SEARCHES

PCB Manufacturing

PCB Assembly

PCB Layout

3D Printing

PCB Stencil

Lora

ReSpeaker

Grove

Lidar

GPS

Can-Bus

Arduino

Arduino Shield

Beaglebone

Raspberry Pi

FPGA

LinkIt ONE

Crazyflie 2.0

Raspberry Pi 3 Model B

RF Explorer

DSO Nano v3

HiKey

rplidar

raspberry pi relay

RPLIDAR A2

Downloaded from [Arrow.com](#)

[Help Center](#)

Community

Stay Tuned

About Sseed

Distributors

Careers

Contacts

How to Get Help

FAQ

Technical Support

Shipping & Order

Warranty & Returns

Payment Information

Project Hub

Forum

Blog

Wiki

Subscribe to our newsletter.

>



USD ▾

Select Language ▾

Contact Support