🔒 QMC5883L magnetometer not updating, and sending wrong values

Jaeth   sept. '22   post #1

Hey everyone,
I've recently started trying to make a magnetometer work with my arduino pro micro, but I'm stuck on 2 issues : the first is that once I upload the basic test code to the board, it starts sending a set of value in a loop, and they never update unless I reset the board. The second issue is that the values seems pretty wrong, though they are somewhat consistent. I've tried turning the sensor in every direction, and the variance is basically the same as when I don't move it at all between resets.
Any help appreciated !

Here's my test code :

```cpp
#include <Wire.h>
#include <MechaQMC5883.h>

MechaQMC5883 qmc;

void setup() {
  Wire.begin();
  Serial.begin(9600);
  qmc.init();
  qmc.setMode(Mode_Continuous,ODR_200Hz,RNG_2G,OSR_256);
}

void loop() {
  int x,y,z;
  qmc.read(&x,&y,&z);
  Serial.print("x: ");
  Serial.print(x);
  Serial.print(" y: ");
  Serial.print(y);
  Serial.print(" z: ");
  Serial.print(z);
  Serial.println();
  delay(100);
}
```

jremington   sept. '22   post #2

Sounds like a defective sensor. The QMC5883L is a cheap Chinese imitation of the long obsolete HMC5883L, and doesn't work as well as more modern magnetometers.

Just about any magnetometer you buy from reputed suppliers will work better.

Jaeth   sept. '22   post #3

I'll try soldering up the second sensor I got from them, then. Can you recommend any other sensor I could get quickly ?

Would **this one** be a good fit ?

jremington   sept. '22   post #4

The LIS3MDL is a good choice.

Grumpy_Mike Karma: 2500+   sept. '22   post #5

> Jaeth:
>
> I'll try soldering up the second sensor I got from them, then.

Passer au contenu principal

No point they are a different chip and require a different library.

A fermé ce sujet (le 15 mars)

This topic was automatically closed 180 days after the last reply. New replies are no longer allowed.

Sujets nouveaux et non lus

Sujet	Réponses	Vues	Activité
☐ **MINI RFID_RC522 not working on Arduino MEGA, but working on UNO**	2	180	**27 juin**
☐ **Esp32 Led won't stop blinking if external power are used**	11	556	**18 mai**
☐ **Uknown Camera Sensor - BL606D or BL608D**	3	261	**29 mai**
☐ **ESP8266 ESP-01 wifi is not receiving message from arduino**	6	318	**26 mai**
☐ **How to Connect Two CQRobot Ocean Non-Contact Water/Liquid Level Sensors (CQRSENYW001) to Arduino UNO REV3 (A000066)?**	5	213	**19 juil.**

Vous voulez en savoir plus ? Parcourez les autres sujets de ▪ **ou affichez les derniers sujets.**

ARDUINO®   ⊘ Back to top