**How to use**

**SS49E Linear Hall-Effect Sensor**

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# **1. Description**

**It can measure both north and south polarity of a magnetic field and the relative strength of the field.**

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# **2. Wiring**

1. VDD → 3V

2. GND → Ground

3. OUT → A0

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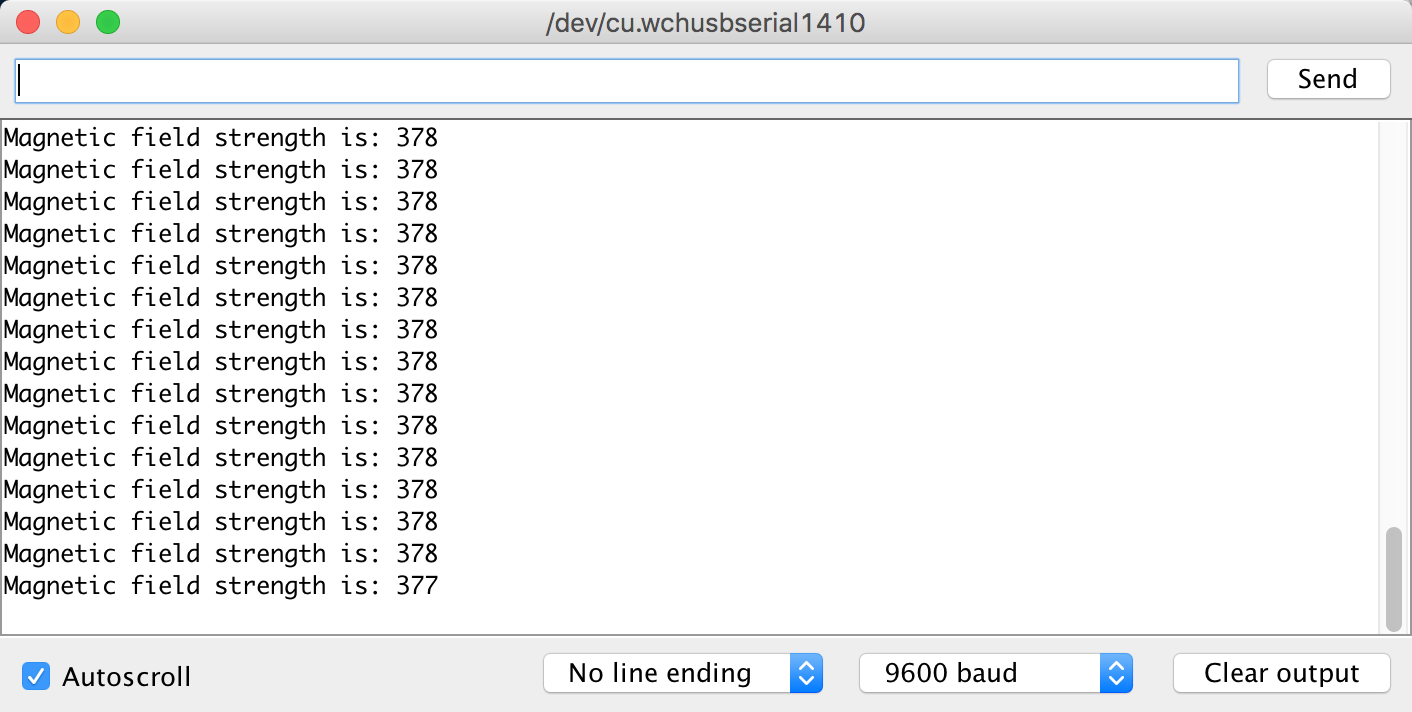
# 

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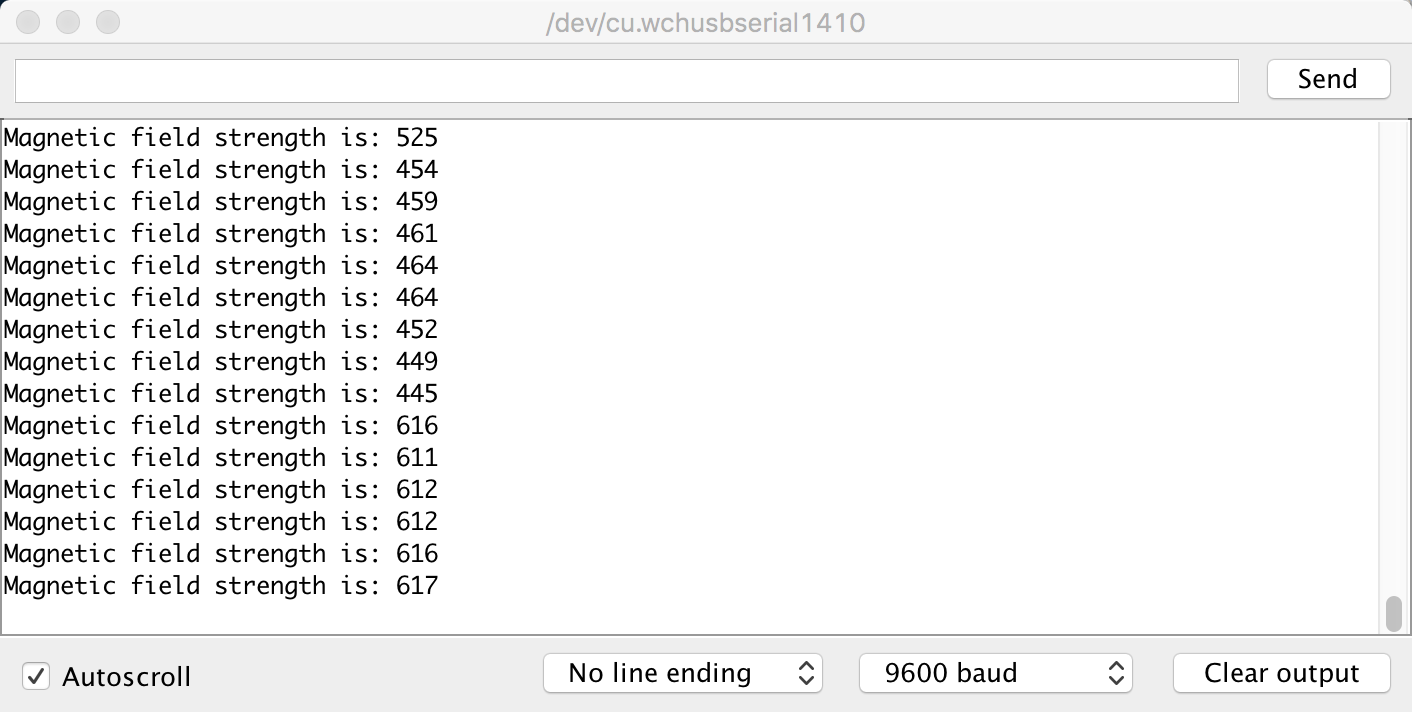
# **3. Upload sample code**

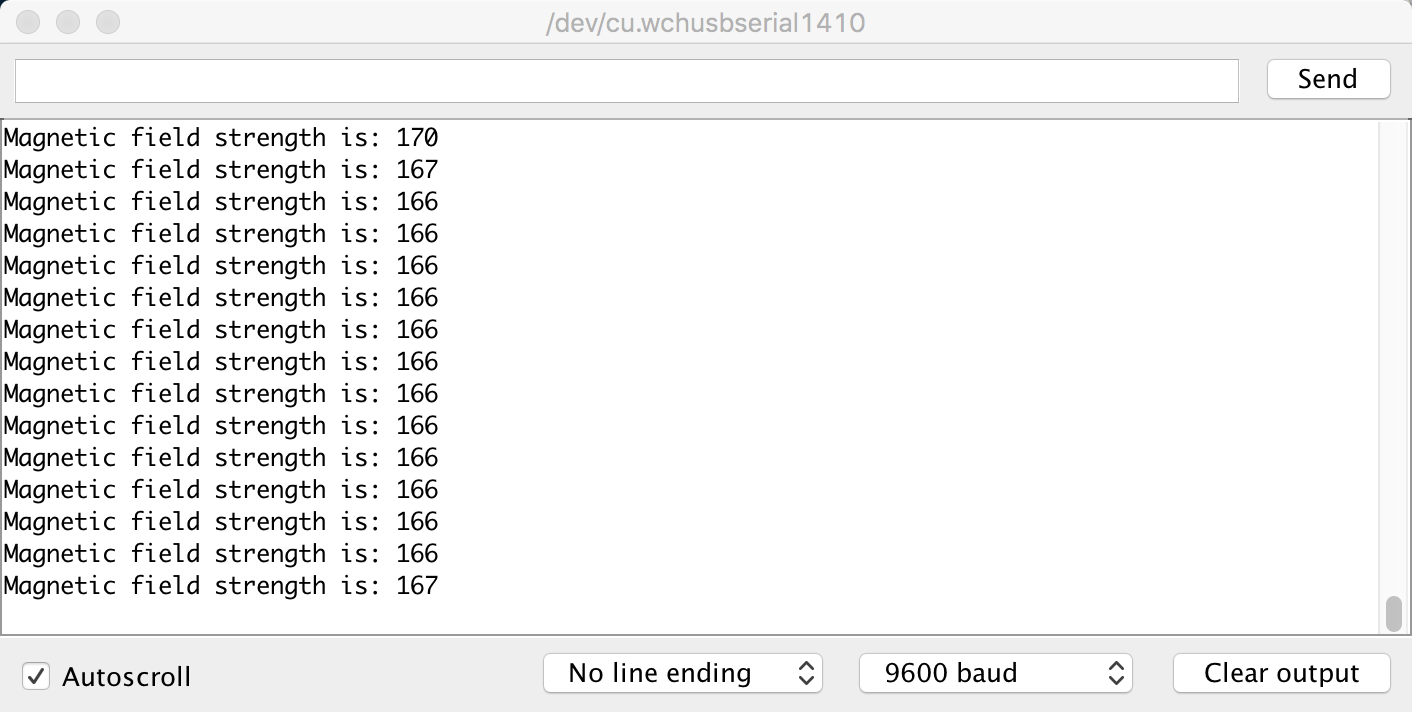
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| --- |
| int mag\_strength; int sensor\_pin = A0;  void setup() {  Serial.begin(9600); }  void loop() {  mag\_strength = analogRead(sensor\_pin);  Serial.print("Magnetic field strength is: ");  Serial.println(mag\_strength);  delay(200); } |

# **4. How to interpret the reading**

**If no magnet is present, reading is at constant vale, around 300.**

**If the north pole of the magnet is close, reading will go above the stable value (378).**

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**If south pole of the magnet is close, reading will go below the stable value (378).**