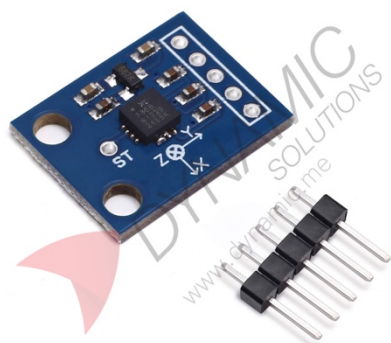


# 3 Axis Compass Accelerometer Sensor

## GY-61 ADXL335



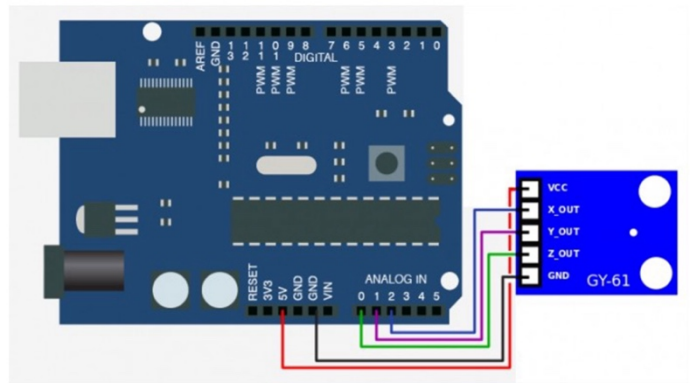
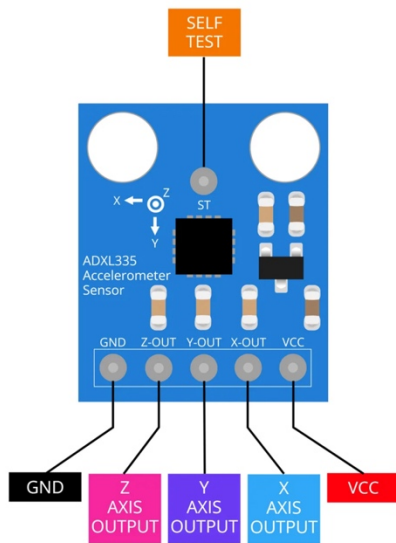
### **Features:**

The GY-61 ADXL335 module is a compact 3-axis accelerometer sensor designed for accurate measurement of static and dynamic acceleration. With a sensing range of  $\pm 3g$  and low power consumption, it is ideal for tilt sensing, vibration analysis, motion detection, and free-fall applications. The onboard 3.3V regulator allows operation from 3V to 5V systems, making it compatible with both 3.3V and 5V logic. Common uses include robotics, FPV drones, GPS navigation, gaming input devices, and intelligent motion-activated applications.

| Specifications        |                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------|
| Sensor Chip           | ADXL335                                                                                 |
| Operating Voltage     | 3V ~ 5V DC                                                                              |
| Supply Current        | 400uA                                                                                   |
| Interface             | Analog output                                                                           |
| Full Scale Range      | $\pm 3g$                                                                                |
| Sensitivity           | 300mV/g $\pm 10\%$                                                                      |
| Operating Temperature | $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$                                          |
| Dimensions            | 21 × 16 × 10 mm                                                                         |
| Weight                | 2 g                                                                                     |
| Regulator             | Onboard 3.3V                                                                            |
| Compatibility         | 3.3V and 5V systems                                                                     |
| Material              | PCB + Brass                                                                             |
| Color                 | Blue                                                                                    |
| Usage                 | Motion detection, tilt sensing, vibration monitoring, robotics, gaming, DIY electronics |

### **Pinouts:**

| Pin Name | Type   | Description                           |
|----------|--------|---------------------------------------|
| VCC      | Power  | 3V–5V DC supply input                 |
| GND      | Power  | Ground connection                     |
| X        | Analog | Analog output for X-axis acceleration |
| Y        | Analog | Analog output for Y-axis acceleration |
| Z        | Analog | Analog output for Z-axis acceleration |



### Product Pictures:

