

TinkerKit 2/3 Axis Accelerometer

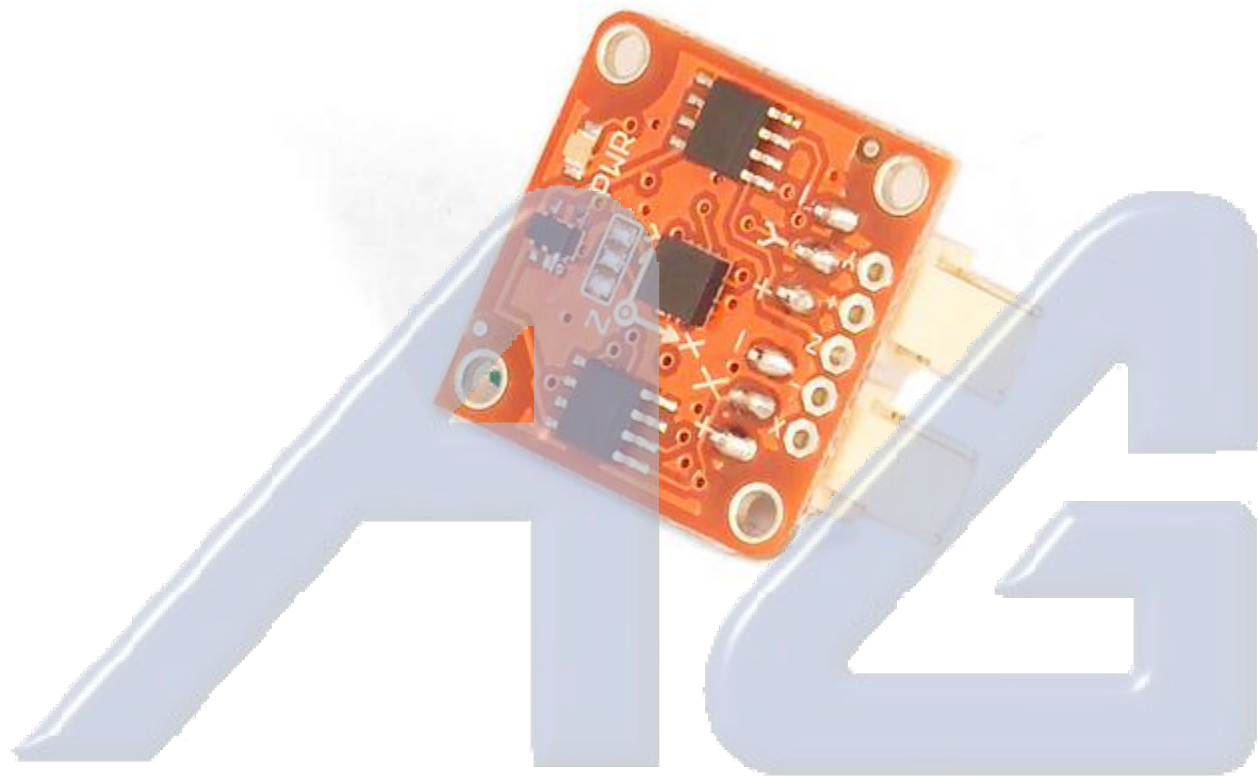
Number part : T000020

An **accelerometer** is a device that measures acceleration. It is very common in consumer electronics such as portable electronic devices and video game controllers to detect movement using accelerometers.

Output: This module outputs 0V to 5V on one of its two signal pins when its G-force is changed (e.g. is moved). The value is approximately 2.5V when there is 0G on the X or Y axis. When you connect this module to the input on an Arduino using the TinkerKit Shield, you can expect to read values between 0 to 1023 while moving the module.

Module description: On the back of the module you can find two signal amplifier and a green LED that signals that the module is correctly powered. The module is based on the [LIS344AL](#) by ST Microelectronics, and is a three-axis accelerometer. You can get data about the third axis (referred to as Z) by soldering a header to the thru-hole labeled "Z".

This module is a **SENSOR**. The connector is an **OUTPUT** which must be connected to one of the **INPUT** connectors on the **TinkerKit Shield**.



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