



This is a 3D (three dimensions) acceleration sensor which displays each dimension one at a time. It allows measuring the acceleration of moving bodies such as a body oscillating in a spring or in a moving vehicle.

Specifications

- Used in the fields of Physics, Mechanics, Physiology, Exercise Science, etc.
- The acceleration IC sensor houses three small thin silicon accelerometers. Each accelerometer is oriented along a different axis (X, Y, or Z) connected to a weight and based on piezoresistive technology.
- The sensor is pre-calibrated at the factory.
- Experiment duration: 50 milliseconds to 31 days.

Range and operation modes	$\pm 80 \text{ ms}^2$ (X, Y, Z)
ADC Resolution	12 bits
Resolution	0.15 ms^2
Max. sample rate (S/sec)	12 bits

Sensor Requirements

Hardware

- **USB Module (USB-200)**

Direct connection to the computer (PC, Mac, XO, or Linux)



or

- **WiFi Module (WIFI-201 or WIFI-202)**

Wi-Fi communication – For any device which uses WiFi technology (ipads, Tablets, Smartphones and Computers)



- **Optional Accessories:**

Battery Module, RF Communication Module, Graphic Display Module, Digital Display module



Software

- Application for Windows
- Application for Mac
- Web Application for WiFi module
- NeuLog Software



Multiple logger sensors can be used together!



Subject to Change