

Accelerometer Datasheet

GENERAL DESCRIPTION

WallySci Accelerometer is a miniature, low power consumption, 3-axis analog accelerometer with signal conditioned voltage outputs. The product measures acceleration with a minimum full-scale range of ± 3 g. Each axis has an analog output range of 0 – Vcc. It can measure the static acceleration as well as dynamic acceleration resulting from motion, shock, or vibration. Utilize the sensor in motion tracking application, Fall detection, interactive Human Computer interface and much more.

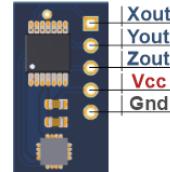


Figure 1: WallySci Accelerometer Sensor

Specifications

- 3-axis sensing
- Supply Voltage: 1.8V - 3.6V
- Low power: 300 μ A (typical)
- Range: ± 3 g
- Bandwidth: 0 - 500Hz
- Analog outputs

- Generic connectors
- Plug-and-play

Features

- MEMS technology
- High signal to noise ratio
- Signal conditioned outputs
- High input impedance

APPLICATIONS

- Motion tracking
- Human-Computer Interaction
- Gaming systems
- Activity monitoring
- Biomechanics
- Robotics & Cybernetics
- Fitness tracker