



MOTION SENSING

Aeron's motion sensing solution is an ideal choice for equipment safety and security. It detects motion by monitoring the changes in two inclination angles. At the heart of the system is three axis accelerometer that measures the gravity. As the equipment tilts in any of the two directions (Roll and Pitch), the measure of gravity changes in accelerometer axis. This change in value is used to calculate the change in the angle.

This information can be used to detect operational time of heavy equipment like crane, or to detect if the ATM machine is being moved illegitimately.

SPECIFICATIONS

- ⇒ No. of Axis: Dual
- ⇒ Angles: Roll and Pitch
- ⇒ Measurement Range: $\pm 180^\circ$ (Roll), $\pm 60^\circ$ (Pitch)
- ⇒ Accuracy: $\pm 0.1^\circ$
- ⇒ Resolution: 0.01°
- ⇒ Enclosure material: Aluminum
- ⇒ Angle o/p Format: RS485 / RS232 (optional)
- ⇒ Switching o/p: Relay (for buzzer)



APPLICATIONS

- ⇒ Platform leveling and stabilization
- ⇒ Trailer leveling
- ⇒ Crane bucket leveling
- ⇒ ATM machine motion sensing
- ⇒ Transaction terminals
- ⇒ Games consoles
- ⇒ Lab instrumentation
- ⇒ Construction and building work
- ⇒ Industrial automation

