

# WIRELESS MOTION SENSOR

Reference : PS-3219



The wireless motion sensor measures the position, velocity and acceleration of objects using ultrasound. The wireless motion detector can detect objects within a radius of 15 cm to 4 m. Wireless sensor, ideal for applications at height (study of a fall...). The sensor connects directly to your devices via Bluetooth® or USB.

## characteristics

- Range: 0.15 to 4 m
- Resolution: 1 mm
- Maximum sampling rate: 50 Hz
- Transducer rotation range: 180 °
- Mounting: 1/4-Rod housing 20 Mounting thread
- Batteries: Rechargeable Lithium-Polymer  
(Expected life span of 3-4 months on a single charge with normal use)
- Connectivity: Direct USB or via Bluetooth® Smart (Bluetooth 4.0)  
Maximum wireless range of 30 m (without obstacle)

## Applications:

- Measure the movement of objects

- Discover the relationship between position, speed and acceleration
- Measure objects in free fall
- Measure the impact of air resistance on falling objects
- Study the conservation of energy
- Seabed mapping model