

SGx - Smart Seismic Sensor: Features and Specifications

Key features

- Everything is embedded inside - Sensing, Sampling, Processing, Communication
- Adaptive algorithm with event classification
- Maintenance free, simple installation (plug & play)
- Proven technology - field operational for more than 4 years
- Ultra Low Power consumption - 1mA @ 3.3V - Lowest in industry
- Integration friendly - built for easy integration with several interface options
- Designed for Harsh environment
- Small dimensions

Specifications

- Sensor dimensions: H=131mm ; W=50mm; L=42mm
- interface : UART-TTL,RS485,Relay output(dry contact)
- Coverage area^(*):
 1. Footsteps / Car : up to 12m radius (360⁰)
 2. Digging : up to 20m radius (360⁰)

*. Depends on ground soil and sensitivity level
- Power Consumption : ~3mW (1mA @ 3.3V)
- IP Rating: 67
- Working Temperature : -40⁰ to 85⁰ degrees (Celsius)
- Classifications: Intruder footsteps / Vehicle
- Integration friendly
- Recommended installation depth below ground level: 50cm
- FAR : 1 per two weeks, PD : 98%
- RoHS compliant



System indications

- Intruder alert/Vehicle alert
- Sensor failure
- Low battery
- System ok

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