

Technical Specifications

AIO X



1.0	Version
April 2024	Date

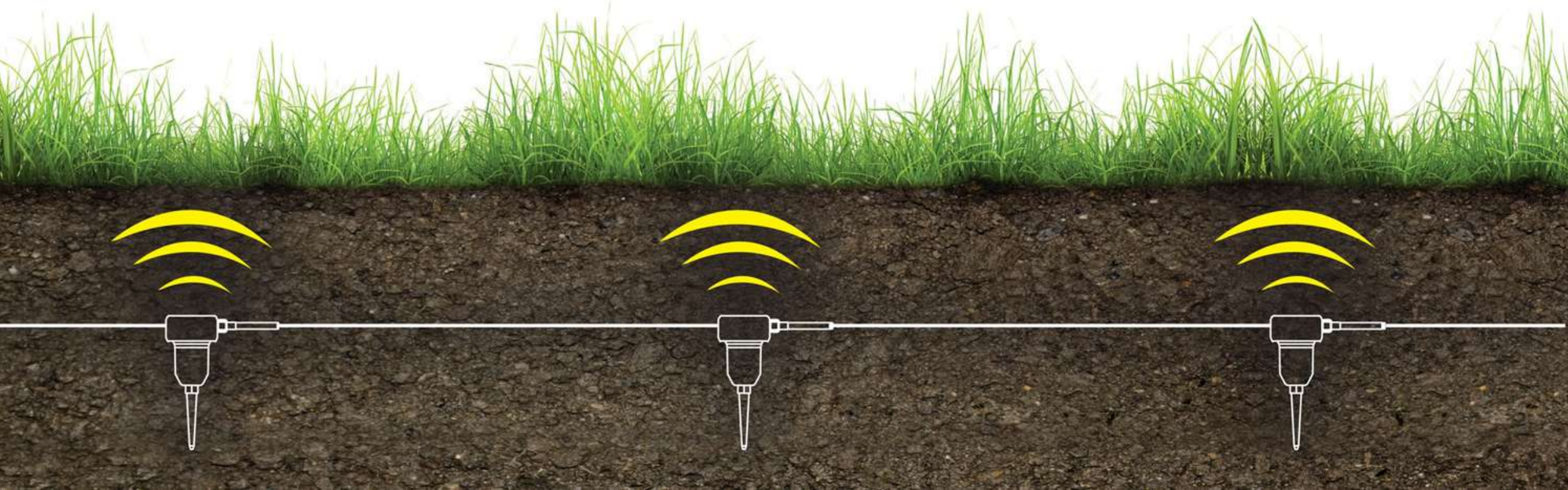


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AIO X Sensor

Hidden beneath the ground, our seismic sensors act as your home's invisible protectors. Strategically placed, they detect the smallest vibrations from footsteps, unaffected by weather or darkness. Their discreet presence ensures undisturbed aesthetics and unfaltering security, making Seismic Shield a trusted guardian of your home.



The AIO X wireless sensors includes the below parts :

- Top part which includes the battery pack & DSP processor (sealed)
- Bottom part which includes the sensing element and cable
- Spike

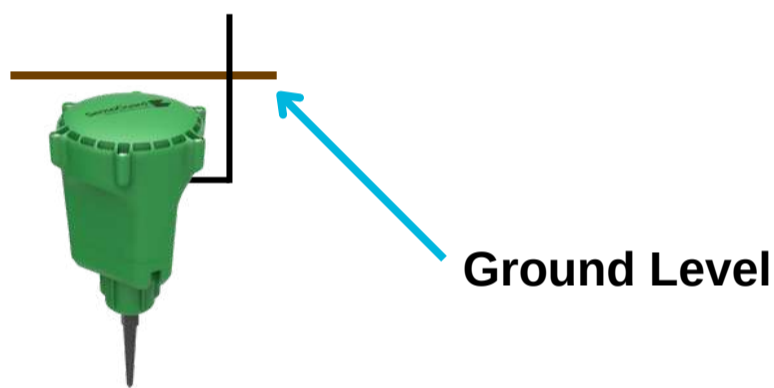


Description Of Wireless Communication

The AIO X wireless seismic sensor communicates with SG-Hub unit/PC/Smartphone using RF-UHF communication.

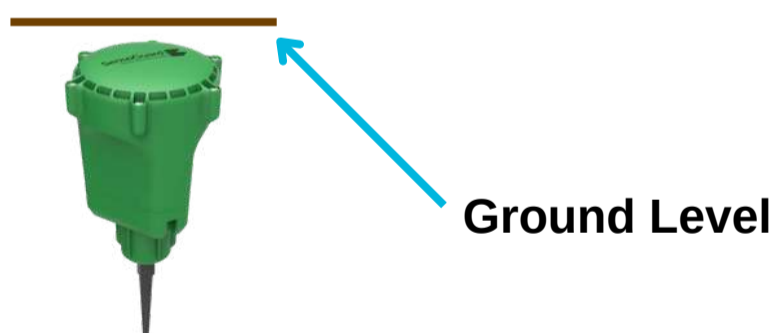
- Communication frequencies: 433 MHz (default) or 868/915 MHz
- Transmission range: 250m (internal antenna) / 1,000m (5cm antenna)

The AIO X, wireless seismic sensor, performs all processing and alarm decision locally and sends only short alarm messages, which makes it very difficult to locate by 3rd party using wireless network sniffers



5cm Antena

Up to 1000m transmission range



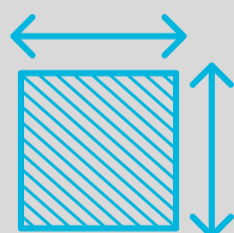
Internal Antena

Up to 250m transmission range

AIO X Physical Dimension



500g / 1.1lbs



103mm x 103mm x 150mm
4" x 4" x 5.9"

AIO X Wireless Seismic Sensor



Description		
Operating Radius Detection performance depends on soil type, area environment and sensitivity level	Footsteps	Up to 12m/39ft radius
	Vehicles	Up to 25m/82ft radius
	Digging	Up to 25m/82ft radius
RF Frequency		433Mhz (Default) 868 / 915Mhz (Optional)
Transmission Range	Antenna 2cm below ground	Up to 250m/820ft radius
	Antenna 5cm above ground	Up to 1Km/3,280ft radius
IP Rating (MIL-STD 810G)		IP68
Working Temperature (MIL-STD 810G)		-40°C to 85°C / -40°F to 185°F
Recommended installation depth		30-50cm / 11.8"-19.6"
Battery Operating Time		Non-rechargeable battery for 4 years
Weight		500g / 1.1lbs
Size	Sensor	103mm x 103mm x 150mm / 4" x 4" x 5.9"
	Spike	75mm / 2.95"

Specifications subject to change without notice. ©2024 SensoGuard Ltd.