UnderCover®

Infrastructure Entry
Detection System

REAL-TIME MONITORING

UnderCover is a real time, remote monitoring technology used to detect entry for sewer, water, stormwater, utility vaults & other manhole or lid-accessed spaces. Once the patented sensors are attached to infrastructure, it is both a stand-alone entry detection system or can be used in conjunction with other sensors.

Who's In Your System?

Detection of authorized or unauthorized opening of sewer manholes is used to manage response information, provide proof of operations, labor accounting & citizen engagement. The visibility also allows you to combat illegal dumping, vandalism & other security issues. For use with sewer, water or storm water manholes, utility vaults & other lid or manhole accessed spaces. Our tamper trigger immediately informs staff when authorized or unauthorized entry is happening -- a real-time alarm is transmitted to field staff who are then able to take appropriate action.

Vaults, Nuclear Plants, Borders

UnderCover addresses a wide range of remote entry detection requirements across a variety of industries including electric utilities, fiber optic vaults, nuclear facilities, border perimeter security, transportation infrastructure, military installations as well as commercial, construction & industrial sites.

Field Work Verification

Expedite response to critical issues & automatically gather accurate response information. This feature provides managers with objective proof of operations, accurate accounting of labor & reduces incident response costs. This can be used to log and verify maintenance or field work for citizen response reports.

Illegal Dumping

Our level sensors continuously gather & analyze flow data. When suspicious changes in flow are detected, public works is informed of any intake point. Over time, data from specific hot spots is used to detect unusual surges, indicating a large discharge into the sewer system. Time stamped data is tracked & used to investigate illegal entry & dumping into a collection system —saving millions of dollars in resources.

Added Security

Alarms for manholes, utility vaults & other lid-accessed spaces can be established as a stand-alone intrusion detection system for added security, especially for distant & remotely located infrastructure assets.

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LI: SmartCover Systems
www.smartcoversystems.com

SMARTCOVER®
A Badger Meter® Brand

UnderCover®

Infrastructure Entry Detection System

FEATURES

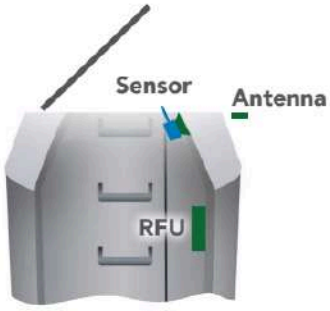
- Entry detection
- Built-in tilt switch for real time tracking
- Unauthorized dumping detection
- Reduce operational risk
- Asset protection at critical sites
- Verify field work execution
- Know when & where access occurs
- Get ahead of potential problems
- Monitor & protect remote locations
- Two-way wireless communications
- Remotely enabled or disabled
- Worldwide satellite coverage, unaffected by power outages or severe weather conditions
- Unlimited data storage & users
- Done-for-you analytics
- Fusion with tide, rain & stream data
- Map-based user interface
- Data support for operations & management decisions, work orders, alarms, alerts & advisories
- Go off grid with 5 year battery power, depending on various factors
- Mobile app for iOS & Android users

*Custom configurations may require additional pricing & delivery time dependent upon application details & associated engineering.

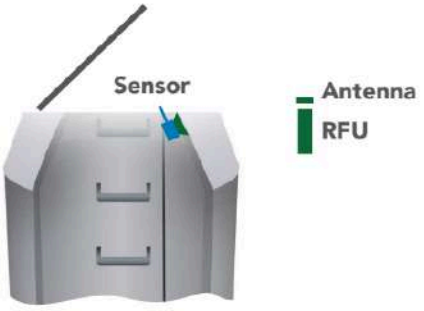
CONFIGURATIONS

There are three standard installation configurations with options for the location of the remote field unit (RFU) & antenna.

Direct attachment to manhole cover or hatch. Hardened RFU. MEMS sensor.



Local RFU mounted internal to space and stealthy antenna mounted near opening.* Contact sensors.



Remotely mounted RFU and antenna. Custom configuration providing higher levels of security are available upon request.* Contact sensors.

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