

SmartCover Prevents Sewer Spills with Full Dynamic Range of Manholes

Overview:

The SubSonic™ Dual Sensor is the standard sensor for the SmartCover® suite of wastewater monitoring solutions. The dual sensor extends visibility throughout the entire manhole from the bottom of the channel to the cover. Not only does the dual sensor provide customers with full dynamic range of manholes, it combines the accuracy of an ultrasonic sensor with the wide range of a pressure sensor.

The SubSonic embeds a pressure sensor into the housing of an ultrasonic sensor allowing measurement of valuable water level data beyond the point when the ultrasonic sensor becomes submerged. Monitor costly inflow and infiltration (I&I) during water surges, such as heavy rainfall events when groundwater and/or stormwater flows into a wastewater collection system, even when surcharges occur. The sealed submersion sensor is virtually maintenance-free, issues alarms when a manhole is reaching overflow levels, and allows wastewater operators to triage manholes to prevent sanitary sewer overflows (SSOs).



Features & Benefits:

- Sealed submersion level sensor is virtually maintenance free
- Level measurements when the ultrasonic sensor is submerged
- Full dynamic range of the manhole, from the bottom of channel to the cover
- Integrates with the Iridium® satellite network – making it impervious to power or cell outages during severe weather; advantageous for remote locations

Technical Specifications:

- Ultrasonic transducer operating range: 4-79"
- Ultrasonic transducer resolution: 1/10"
- Submersion level maximum depth 34.5' at sea level
- Submersion level sensing resolution: 1/2"
- Dead zone between sensors: Approximately 8-9"
- Submersion level sensor is a sealed pressure transducer

Price:

- Included with SmartCover unit price
- Upgrades are also available for currently installed units
- Pricing available upon request

REPRESENTED BY:



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