Ultrasonic Level Monitoring System

ADS ForeSITE-UL

For Storm and Surface Water Applications

The ForeSITE™-UL (FS-UL) system is designed to enable cost-effective, easy-to-setup and reliable monitoring of water levels for a wide variety of applications and locations.

Stormwater
- Vaults
- Outfalls

Surface Water
- Lakes & reservoirs
- Lagoons
- Rivers & streams
- Canals & channels
- Tidal gates and structures

Flood Control
- Streets
- Underpasses
- Parks
- Other flood-prone structures and locations

Irrigation
- Canals & channels
- Flow control structures

FS-UL monitoring river level

FS-UL monitoring storm water outfall

FS-UL monitoring storm channel level

The FS-UL is an ultrasonic level monitoring system for storm and surface water monitoring applications designed for direct mounting above the water surface. This non-contact monitoring system provides measurements at user-prescribed intervals with high accuracy. Data is stored in non-volatile flash memory and wirelessly communicated to cloud-based software where users have continuous access to remote site data and alarms.

The FS-UL system contains a fully integrated, stabilized sensor. Its long-life battery substantially reduces maintenance requirements. The system housing is compact and lightweight, facilitating fast, easy installation. The FS-UL system is a low-cost solution where users require numerous monitoring locations and have limited budgets.

ADS ForeSITE-UL™

FS-UL Level Monitor Components and Specifications

System Components

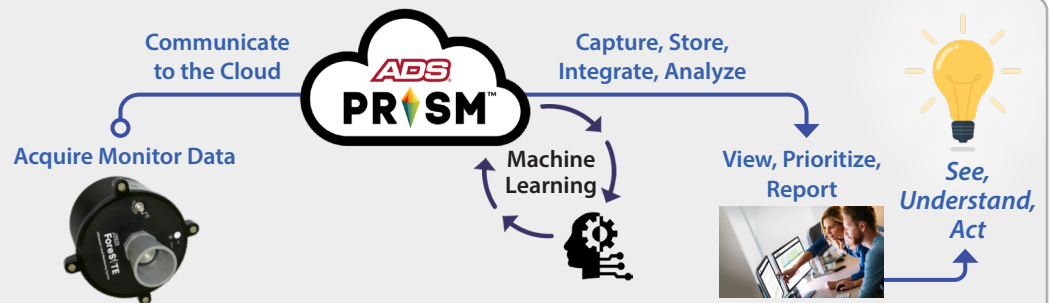| |
|---|
| FS-UL data logger with modem, ultrasonic sensor |
| Mounting bracket |
| External antenna |
| SIM Card |
| Lithium thionyl chloride battery pack |
| Small O-ring to install battery |
| O-rings for housing |
| O-ring grease for housing |
| Hardware for installation |
| Activation magnet |
| Hex key |
| Desiccant |
| Rubber splicing tape |
| Data storage and analytics software |

ForeSITE-UL (FS-UL)

Mounting bracket

Installation Guide Supplement

Hex key   **Magnet**

Rubber splicing tape   **Desiccant**

Antenna

Small O-ring to install battery   **Lithium battery**

Postcard QR code

Get Started Here!
Scan the QR code below to get started on the setup and activation of your new ForeSITE Ultrasonic Level Monitoring System

https://www.adsenv.com/sites/default/files/manuals/FS-UL_QSG.pdf

Pre-installed SIM card

O-ring grease   **Large O-Ring**   **Medium, bagged O-Ring**   **Mounting hardware**

ForeSITE-UL data is collected and communicated to the cloud-based PRISM™ software. With continuous user access, informed actions are enabled through rich analytical tools.

Communicate to the Cloud

Acquire Monitor Data

ADS PRISM™

Capture, Store, Integrate, Analyze

Machine Learning

View, Prioritize, Report

See, Understand, Act

System Specifications

Sensor	1x integrated ultrasonic level sensor, +/- 0.04 in. (+/- 1 mm) resolution
Measurement range	12 in. to 196 in. (0.3 m to 5 m)
Alarms	4x user-configurable alarm limits
Memory	2,000 events stored in non-volatile, flash memory
Communications	4G LTE CAT-M1/NB-IoT
Data transmission frequency	Configurable, time-stamped, 15 minutes to 7 days
Antenna	External with SMA connector
Power	High capacity, non-rechargeable Lithium thionyl chloride battery pack

Humidity	0 to 90% relative humidity, non-condensing
Dimensions	Cylinder: 3.5 in. H x 4.9 in. D (90 mm H x 125 mm D) Cone: 2 in. H (51mm H)
Submersion	IP68 (suitable for brief submersion)
Temperature	-4° to 149° F (−20° to +65° C)
System diagnostics	Cell Network RSSI, temperature, battery voltage, front panel LED indicators
Weight (fully loaded)	0.458 lbs (0.21 kg)

Learn more about ADS ForeSITE
www.adsenv.com/contact-form/

Call: 800.633.7246
Email: adssales@idexcorp.com

Specifications subject to change without notice.