ADS ECHO™

LEVEL MONITORING SYSTEM



Level Monitoring

For the Built and Natural Environment

Non-contact level monitoring for situational awareness in sanitary, combined, and storm sewers, as well as surface water and flooding applications.

ACCURATE
Narrow beam technology provides up to a 20 ft (6.1 m) range.

FLEXIBLE
Dual-measurement sensors and three installation options.

ROBUST
Glass-filled polycarbonate enclosure.

CONNECTED
Compatible with all 4G LTE-M networks worldwide with 2G fallback.

ECHO APPLICATIONS

Collection Systems
Reduce cleaning frequency and mitigate Sanitary Sewer Overflows (SSOs) with continuous monitoring and blockage prediction software.

Wastewater Plants
Avoid pump station overflows from power failures, partial pump blockages, or failed alarms with ECHO back-up.

Surface Water
Continuously collected data enables customized analysis and a better understanding of each waterway's behavior.

Storm Water
Monitor Combined Sewer Overflows (CSO) activation and de-activation in real-time. Calculate overflows, prepare reports.

KEY ADVANTAGES OF ECHO LEVEL MONITOR



NARROW BEAM TECHNOLOGY
Provides up to a 20 ft (6.1 m) range. Pressure sensor can read up to 8 ft (2.4 m) above the ECHO

MULTI-ALARM LEVELS
Always know the water level in a manhole with configurable alarms for advanced warnings

INTRINSICALLY SAFE
CSA, ATEX, and IECEx certifications

LOW MAINTENANCE & LONG LIFE
Up to two years of battery life

THE ECHO DIFFERENCE

ECHO's unique narrow-beam technology delivers level measurements at distances up to 20 ft (6.1 m), while its integrated pressure sensor extends visibility up to 8 ft (2.4 m) above the device for complete manhole monitoring. Combined with powerful analytics integration and a cost-effective design, ECHO is an ideal solution for a wide range of level monitoring applications.

SEE. UNDERSTAND. ACT.

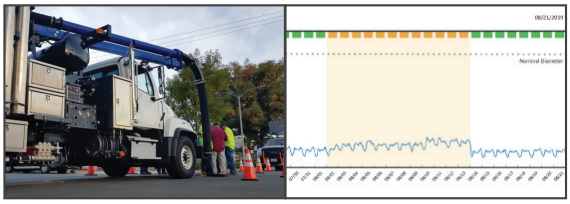
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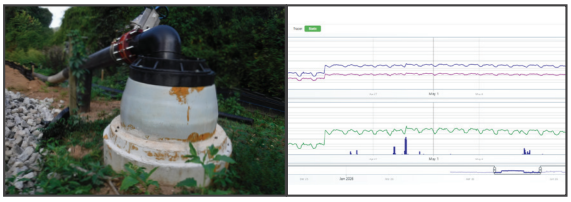
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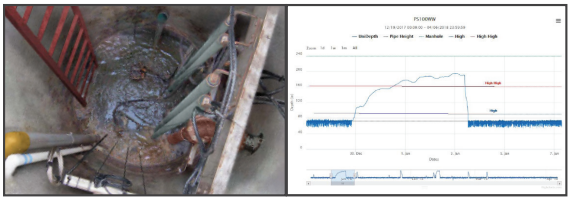
APPLICATION SCENARIOS



CLEANING PROCESS EFFICIENCY



BYPASS MONITORING



PUMP STATION BACK-UP



SSO MITIGATION

FLEXIBLE SETUP AND MONITORING



TOTAL MANHOLE VISIBILITY

ECHO's unique narrow beam technology provides up to a 20 ft (6.1 m) range and its pressure sensor.

EASY INSTALLATION

ECHO installs quickly making it easy to move from one location to another, saving time for field crews.

ROBUST COMMUNICATIONS

Reliable connectivity, designed and optimized for the Industrial Internet of Things (IIoT).

PRISM SOFTWARE INTEGRATION

Cloud-based, secure software system that acquires, stores and presents data with ongoing user access.

SEAMLESS INTEGRATION WITH ADS ECOSYSTEM



ECHO



ANALYTICS SOFTWARE



INSTALLATION FLEXIBILITY

SPECIFICATIONS

Parameter	Value
System	Dual-measurement sensor (ultrasonic and pressure), tilt alarm for sensor alignment
Battery Life	Up to 2 years depending on operating temperature, modem power management & communications frequency
Communications	Third-party, FCC/IC/EC- and carrier-approved wireless modem, 4G LTE-M networks with 2G fallback
Software	PRISM, cloud-based with data storage, dashboard, analytics, and reports

For More Information, contact ADS at adssales@idexcorp.com

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