NEW ParaDepth Sensor from ADS®

You need accurate depth measurement to make timely, critical, and prompt decisions in your community’s collection system. With the new ADS® ParaDepth™ sensor, wastewater collection system managers, operators, and engineers can collect accurate depth data with a completely non-contact sensor.

Leveraging the power of integrated parabolic reflectors, depth measurement can be achieved with more reliable results than previously available with other non-contact sensor technologies. Quickly and seamlessly integrate the ParaDepth sensor into your existing or new ADS flow monitoring network, and benefit from the power of the ADS PRISM™ data platform.

ParaDepth leverages all the benefits of the ADS sensing and data solution platform, utilizing ultrasonic sensing, parabolic focusing, and new industrial housing and mountings.

Compatible with the TRITON+

Applications

The TRITON+ and ParaDepth is used to gather data for use in a variety of applications:

- Sanitary Sewer Overflows
- Combined Sewer Overflows
- Inflow and Infiltration analysis
- Hydrologic model validation
- Optimize cleaning process
- Lift/Pump Station Backup
- Scout I&I
- SSO Data & Reporting
- Mitigate SSOs
- Bypass Monitoring

Non-contact sensing of depth providing both increased safety for your field team and lower maintenance requirements and costs!

Lowest lifetime costs of any non-contact sensor on the market due to the low initial purchase price, low maintenance costs, and the use of the ADS TRITON+ monitoring platform and the long battery life associated with the TRITON+.

Less maintenance than current non-contact sensing solutions due to the ruggedization of the sensor transducers, the protection of the sensor faces with the parabolic cavities, and the ability to use both in-pipe and in-manhole mounting solutions!

No flow disturbance since the sensor is mounted above the flow rather than in a wetted configuration.

Reliable performance and data that you expect from the ADS family of sensing technologies.
ParaDepth™
Sensor Specifications

Certifications

The ParaDepth is developed and manufactured under the ISO 9001:2015 Quality Management Standard, and designed to meet the requirements for certifications under:
1. ROHS
2. FCC Part 15

The ParaDepth sensor is compatible with the ADS TRITON+® flow monitor via Channel 1 or 2 sensor ports

Qstart™XML - setup and activation
PRISM™ - data analysis

Sensor Dimensions

| Height: 2.58 inches (65 mm) |
| Width: 2.28 inches (58 mm) |
| Length: 10.87 inches (276 mm) |

Cable Length

30 feet (9.14 m)

Weight

Sensor & Cable: 2.5 pounds (1.13 kg)

Ultrasonic Depth

Operating range: 0.0 in to 144 in (0.0 cm to 365 cm)

Resolution: 0.01 in (0.25 mm)

Accuracy: +/- 0.125 in (3.2 mm)

Temperature

Operating range: -4°F to 140°F (-20°C to 60°C)

Quick look at installation of the ParaDepth