

# Mounting Kit for SOLITAX™ sc TS-line Sensor for Filter Backwash Operations

Turbidity



Hach's Mounting Kit for use with the SOLITAX sc TS-line Turbidity Sensor is designed to optimize filter backwash applications. The sensor, coupled with an sc digital controller, measures real-time NTU values during the filter backwash process, resulting in savings of time, operation costs, and water usage.

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## Features and Benefits

### Filter Backwash Monitoring

For total optimization in the drinking water plant a key process is filter backwash. Excessive backwash can eventually lead to loss of filter media and over time, degrade filter performance. The process is typically monitored visually or on the basis of a preset time. Visual monitoring may be consistent but often results in the use of too much or too little water. Variation in subjective operator monitoring can lead to fluctuations in water quality.

### Optimize Filter Backwash Processes

Using a Hach SOLITAX sc TS-line Turbidity Sensor to monitor filter backwash provides consistency in the wash process based on a real time turbidity measurement rather than on the subjective eye of an operator. The mounting kit allows the probe to be placed directly in the filter trough or near the top of the bed for optimal measurement.

### Easy Installation

The mounting kit includes a handrail mount and quick release pole connections to easily install the sensor in less than 30 minutes.

## Specifications\*

### Pole length

1.8 m (5.9 ft.) each

3.6 m (12 ft.) total

### Plate

214 x 152 mm (9.5 x 6 in.)

### Pipe Stand

508 mm (20 in.)

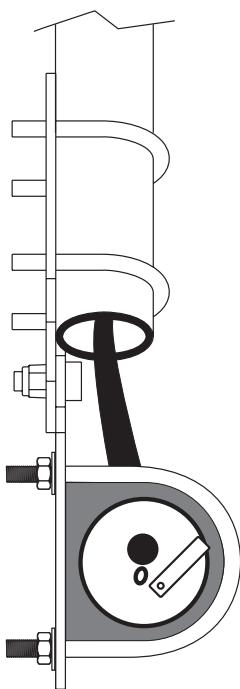
\*Specifications subject to change without notice.

## Engineering Specifications

1. The mounting kit shall be for use with a Hach SOLITAX TS-line turbidity sensor.
2. The pole length shall be 3.6 m (12 feet).
3. The depth that can be reached by the probe, depending on the angle the pole enters the sample, shall be approximately 1.3 m (10 feet).
4. Extra depth shall be achieved in 1.8 m (5.9 feet) lengths with optional extra pole.
5. The mounting kit shall be the Mounting Kit for SOLITAX™ sc TS-line Sensor for Filter Backwash Operations manufactured by Hach Company.

## Dimensions

The depth that can be reached by the probe depends on the angle the pole enters the water (i.e., a 30 degree angle reaches ~1.3 m).



**At Hach, it's about learning from our customers and providing the right answers. It's more than ensuring the quality of water—it's about ensuring the quality of life. When it comes to the things that touch our lives...**

**Keep it pure.**

**Make it simple.**

**Be right.**

**For current price information, technical support, and ordering assistance, contact the Hach office or distributor serving your area.**

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## Ordering Information

- 6940500** Mounting Kit for SOLITAX sc TS-line Sensor; includes (2) 1.8 m (5.9 ft.) poles, complete handrail mounting system, and mounting housing for SOLITAX probe
- 6941700** Extra 1.8 m (5.9 ft.) pole and connector

## To complete your filter backwash monitoring system, choose the SOLITAX sc TS-line Turbidity Sensor...

### SOLITAX sc Turbidity and Suspended Solids Sensors

(see Lit. #2472)

The Hach SOLITAX TS-line Turbidity Sensor uses a dual-beam infrared/scattered light photometer to accurately measure turbidity from 0.001 to 4000 NTU. The self-cleaning wiper device prevents erroneous values.

- 6940600** Filter Backwash Package; includes SOLITAX sc TS-line Turbidity Sensor and mounting kit (sc200 controller not included)

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*In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.*



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