Solitax ts-line sc Turbidity and Suspended Solids Immersion Probe with Wiper, including a SC200 Controller, Stainless Steel

Product #: 2983500

OBSOLETE ITEM
This item is no longer available.

The Solitax sc Suspended Solids and Turbidity Analyzer includes a SC200 controller and stainless steel ts-line sc Solids and Turbidity Sensor (0.001 mg/L to 50 g/L, 0.001 to 4000 NTU) with wiper. It measures turbidity and suspended solids in drinking water, wastewater and industrial process applications.

NOTE: Fixed point installation kit or handrail mount kit must be ordered separately for analyzer immersion in open tanks. Power cord must be ordered separately as well.

Accurate, Color-independent Measurement
Primary and active sludge with different structures and colors, dark digested sludge and light lime sludge make the highest demands on the precise measurement of solids. Only Solitax sc solids probes with the patented dual scattered light method can satisfy these demands.

Self-cleaning Wiper Prevents Erroneous Values
The Solitax sc sensor's self-cleaning wiper prevents erroneous values and maintenance problems by preventing biological growth. Gas bubbles in the sample do not interfere with the measurement.

Easy One-point Calibration
All Solitax sc probes are factory calibrated in conformity with DIN EN ISO 7027 for long-term calibration stability. Calibration is not necessary. If the probe is used to measure the solids content, a one-point calibration suffices. Multipoint calibration is available for nonlinear samples.

Improve overall efficiency of the plant
Connects directly to all Hach sc controllers for immediate use. Helps improve process control and reduce treatment costs associated with polymer use, digester volume, and sludge handling. Any two Solitax sc sensors can be installed using one Hach SC200 Controller.

Specifications

Accuracy:	Turbidity up to 1000 NTU:
	without calibration < 5% of the measured value ±0.01 NTU
	with calibration < 1% of the measured value ±0.01 NTU
Automatic Wiper:	Yes
Body Material:	Stainless Steel
Cable Length:	10 m (optional extension cables available)
Calibration Method:	Turbidity: Formazin or Stablcal Standard (at 800 NTU).
	Suspended Solids: Sample specific, based on gravimetric TSS analysis with a correction factor procedure.

Certifications:	CE
Configurations:	Includes SC200 Controller
Controller:	SC200
Diameter Sensor:	60 mm
Flow:	Max. 3 m/s (the presence of air bubbles affects the measurement)
Includes:	Turbidity & Suspended Solids probe, controller, user manual
Installation style:	Tank Immersion
Length:	200 mm
Maintenance Interval:	1 h/month
Material:	Optics Carrier and Sleeve: stainless steel 1.4571; Wiper Arm: stainless steel 1.4581; Wiper Rubber: silicone rubber (standard) Optional: FKM/FPM (LZX578); Wiper Shaft: stainless steel 1.4571
Max. cable length Sensor-to-Controller:	100 m
Measuring Principle:	Infrared Duo scattered light technique for color-independent turbidity measurement Turbidity in accordance with DIN EN ISO 7027 / TS equivalent DIN 38414
Measuring range:	TSS-content: 0.001 mg/L - 50 g/L
	Turbidity: 0.001 - 4000 NTU
Model:	Solitax ts-line sc
Mounting:	Immersion
Operating temperature range:	0 - 40 °C
Parameter:	Suspended Solids, Turbidity
Pressure Range:	Stainless steel immersion sensor: <6 bar or <60 m
Repeatability:	TSS content: < 3 %
	Turbidity: < 1 %
Response Time T90:	1 - 300 s adjustable
Warranty:	12 months
Weight:	1.38 kg
What's included?:	Turbidity & Suspended Solids probe, controller, user manual

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Turbidity & Suspended Solids probe, controller, user manual

Required Accessories

- SC1000 Display Module, Multi-Parameter Universal Controller (Item LXV402.99.00002)
- SC1000 Probe Module, 6 Sensor Connectors, Prognosys, Modbus 485, 100-240 VAC with Conduits (Item LXV400.99.1H082)
- SC1000 Probe Module, 8 Sensor Connectors, Prognosys, 100-240 VAC with Conduits (Item LXV400.99.1G092)
- SC1500 Controller, 6 Sensor Connectors, 8Ma Out, 110V/Cond Ext MOD (Item LXV446.99.103N1)
- SC1500 Controller, 6 Sensor Connectors, 8Ma Out, 110V/Cond 4 Relay/C Ext MOD (Item LXV446.99.1R3S1)