



Solitax highline sc Turbidity and Suspended Solids Insertion Probe with Wiper, including a SC200 Controller, Stainless Steel

Product #: 2983900

OBSOLETE ITEM
This item is no longer available.

Accurate color-independent suspended solids and turbidity measurements.

The analyzer measures turbidity and suspended solids in drinking water, wastewater, and industrial process applications, providing color-independent and accurate results. It comes with a SC200 controller, stainless steel Solitax highline sc Solids and Turbidity Sensor (0.001 mg/L to 500 g/L, 0.001 to 4000 NTU) with wiper and insertion mounting kit. Power cords must be ordered separately.

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.

Excellent correlation to laboratory analysis

Comparisons between laboratory analysis and continuous suspended solids measurement using Solitax sc sensors show an exceptional correlation to mixed liquor, settled and thickened sludge. Online measurement not only saves time on manual analysis but also provides critical real time TSS measurements that can be used to operate the plant more efficiently.

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

Multiple Solitax sc sensors can be installed on one Hach SC Controller. The same controller can also accommodate any combination of parameters. All of Hach's model sc sensors are "plug and play" with no complicated wiring or set-up procedure necessary.

Specifications

Accuracy:	Turbidity: 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 and Insertion Mounting Kit
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, adapter, flange and insertion mounting, user manual
Installation style:	Ball Valve Insertion
Length:	315 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 27027 / TS equivalent DIN 38414
Measuring range:	TSS-content: 0.001 mg/L- 500 g/L Turbidity: 0.001 - 4000 NTU
Model:	Solitax highline sc
Mounting:	Insertion
Operating temperature range:	0 - 40 °C
Parameter:	High Range Suspended Solids, Turbidity
Pressure Range:	Stainless steel insertion 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, adapter, flange and insertion mounting, user manual

What's included?

Turbidity & Suspended Solids probe, controller, adapter, flange and insertion mounting, 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, 8x mA Out, 110V/Cond Ext MOD (Item LXV446.99.103N1)
- SC1500 Controller, 6 Sensor Connectors, 8x mA Out, 110V/Cond 4 Relay/C Ext MOD (Item LXV446.99.1R3S1)