



## KTO: SS7 W/sc200 HST, CH2

**Product #:** 2977300

**OBSOLETE ITEM**  
This item is no longer available.

The Surface Scatter 7 sc High Range Turbidimeter with SC200 controller offers superior performance features. It measures a turbidity range from 0 to 9999 NTU. Includes calibration cylinder, 4000 NTU Formazin, installation accessories, and instruction manual. Note: only one SS7 sc sensor can attach to one SC200 controller, if a second different sc sensor is required for this configuration please contact the Hach Company - Process Technical Group for further details.

### **Virtually maintenance-free, optics never touch the sample**

The Hach Surface Scatter 7 sc Turbidimeter (SS7) is uniquely designed so that the light source and photocell never come in contact with the sample. In fluids with high loads of suspended solids this makes sample cell cleaning and replacement unnecessary.

### **Durable-manufactured with corrosion/heat-resistant materials for extended life**

All wetted parts of the Hach Surface Scatter 7 sc turbidimeter are made with corrosion-resistant materials for extended life. The photo-detector and light source assemblies are protected from the effects of corrosive vapors and heated samples.

### **Wide turbidity measurement range from 0 to 9,999 NTU**

The Surface Scatter 7sc HST is designed to monitor samples with temperatures of up to 70°C. An innovative moist air removal system is useful where a difference between the sample temperature and the ambient temperature causes condensation and fogging. Applications for this version include raw water samples, corrosive white, black, and green liquor in paper mills, produced water in oil fields containing oil and hydrogen sulfide, and high temperature samples.

### **Wide turbidity measurement range from 0 to 9,999 NTU**

The Surface Scatter 7sc turbidimeter can reliably measure turbidity from 0 to 9999 NTU in samples that vary from clear water to corrosive and high temperature paper mill and oil field samples.

### **Backed by a 2-year Warranty**

Consistent with its long-standing reputation for quality and customer service, Hach Company warrants all Surface Scatter 7sc turbidimeters against defects in materials or workmanship for two years from the date of shipment.

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## Specifications

Accuracy:	±5% of reading or ±0.1 NTU (whichever is greater) from 0 - 2000 NTU
Accuracy 2:	± 10% of reading from 2000 - 9999 NTU
Alarm:	Relays can be programmed through sc controller for warning, alarm, feeder, event, pulse width modulation, and frequency control.
Ambient Temperature:	50 °C
Channels:	2 Channel
Controller:	Yes
Enclosure Construction:	Plastic instrument enclosure

Enclosure rating:	NEMA 12
Installation category:	Category II
Mounting:	Wall mount
Number of Channels:	2
Power requirements (Hz):	50/60 Hz
Power requirements (Voltage):	100 - 230 VAC
Range:	0 - 9999
Range 2:	Nephelometric Turbidity Units (NTU)
Relative Humidity:	5 - 95 % non-condensing
Repeatability:	1.0 % or $\pm 0.04$ NTU, whichever is greater
Resolution:	0.1 NTU Between 1000 - 9999.9 NTU
Response time:	Initial response in 45 seconds
Sample Flow Rate:	Sample flow required 1.0 - 2.0 L/min (15 - 30 gal/hr)
Sample Input:	0.75 " NPT female thread
Sample Output:	1 " NPT female thread
Sample Temperature:	0 - 70 °C
Warranty:	24 months
Weight:	18 kg
What's included?:	Hach SC200 Controller, Mounting Hardware, SC200 Basic User Manual, High Sample Temperature SS7sc, Wall Mount Kit, Cylinder Brush, Light Source Alignment Template, 0.75 x 0.75 inch NPT Nipple, Calibration Cup, 0.75 inch NPT Ball Valve, SS7sc User Manual, and 500 mL 4000 NTU Formazin Standard. (The controller power cord is ordered separately.)

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## Required Accessories

- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, US plug (Item LXV525.99E11551)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 100-240 VAC, without power cord (Item LXV525.99A11551)
- SC4500 Controller, Prognosys, 5x mA Output, 1 digital Sensor, 100-240 VAC, without power cord (Item LXV525.99A11501)
- SC4500 Controller, Prognosys, 5x mA Output, 2 digital Sensors, 24 VDC, without plug (Item LXV525.99Z11551)