



SS7 sc Turbidimeter for high sample temperature

Product #:

LPV432.99.00002

OBSOLETE ITEM

This item is no longer available.

Outstanding results in high temperatures: SURFACE SCATTER 7 sc HST

Able to measure very high and low turbidity levels accurately, this turbidimeter is uniquely designed so that the light source and the photocells never come in contact with the sample.

The sample is introduced into the center sample tube of an inclined turbidimeter body at a flow rate of 1 - 2 liters per minute. As the fluid spills over the top of the turbidimeter body, a stable, flat surface of liquid forms and becomes the measuring surface.

The light source emits a high-intensity beam of light, which strikes the surface of the fluid diagonally. The detector registers the light that is scattered at 90° to the incident beam. This scattered light is proportional to the content of suspended particles in the sample.

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.

Wide turbidity measurement range from 0 to 9,999 NTU

All wetted parts of the Hach SS7 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. The SS7 turbidimeter is warranted against defects in materials or workmanship for two years from the date of shipment.

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

The SS7 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.

Separate sample and control units

Easy and accurate calibration in less than 10 minutes

Specifications

Accuracy:	± 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:	0 - 50 °C
Channels:	Instrument Only
Controller:	No
Enclosure Construction:	Plastic instrument enclosure
Enclosure waterproof rating:	NEMA 12

Flow rate:	Sample flow required 1.0 - 2.0 L/min (15 - 30 gal/hr)
Installation category:	Category II
Measuring range:	0 - 9999
Measuring range (2):	Nephelometric Turbidity Units (NTU)
Mounting:	Wall mount
Number of channels:	None
Power requirements (Voltage):	None
Relative humidity:	5 - 95 % non-condensing
Repeatability:	1.0 % or ± 0.04 NTU, whichever is greater
Resolution:	0.1 NTU between 1000 - 9999.9 NTU
Response time:	Initial response in 45 seconds
Sample input:	0.75 " NPT female thread
Sample output:	1 " NPT female thread
Sample temperature:	0 - 70 °C
Warranty:	24 months
Weight:	18 kg

Required Accessories

- 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)