



Nitratax clear sc 5 mm Flo Thru with SC200 Controller

Product #: 2984400

OBSOLETE ITEM
This item is no longer available.

UV analysis--the reagent-free alternative

Nitratax clear sc Sensor must be connected to a SC200 Universal Controller to form a complete system.

UV Analysis Eliminates Reagents, Sampling, and Sample Conditioning

Using advanced ultraviolet (UV) absorption technology, Hach Nitratax sc UV Nitrate Sensors offer unprecedented simplicity, accuracy, and economy in nitrate analysis. By continuously measuring the UV light absorbed by nitrates, Nitratax sc sensors eliminate the need for reagents, sample conditioning, and frequent calibrations.

Optional Bypass Panel

An optional Bypass Panel or flow-through sample cell is available for clean water applications when direct immersion in Optional Bypass Panel a sample stream is impractical. The Bypass Panel uses the same probes as the immersion sensors for greater flexibility.

Choice of Three Models

Nitratax plus sc Process sensor for continuous measurement in drinking water, wastewater, or activated sludge. Turbidity compensation using reference measurement. Nitratax eco sc low cost sensor for measurement, especially for sewage treatment plants with intermittent aeration technology. Turbidity compensation using reference measurement. Nitratax clear sc Process sensor for continuous measurement in clean water such as drinking water or wastewater effluent.

Self-Cleaning Sensor

With the sensor submerged in the sample stream, the detector windows are automatically cleaned by a built-in wiper that eliminate surface films or particles that can diminish accuracy.

Specifications

Accuracy:	± 5 % of measured value + 0.5 mg/L (with standard solutions)
Ambient Temperature:	2 - 40 °C (36 - 104 °F)
Cable Length:	10 m (32.8 ft.) fixed cable, made of PUR, extendable to 100 m using digital extension cables
Controller:	SC200
Diameter:	75 mm (12.7 x 3.0 in.)
Dimensions (H x W x D):	210 mm x 500 mm x 160 mm
Includes:	Nitrate probe, controller, flow through cell, standard solution, user manual
Length:	323 mm
Lower Limit of Detection (LOD):	0.5 mg/L to 100 $\text{NO}_3\text{-N}$ (with standard solutions)
Maintenance Requirements:	1 hour/month typical
Measuring Interval:	<gte/> 5 to 30 min (fixed values selectable)
Measuring Principle:	Reagent-free UV absorption
Measuring range:	0.5 - 20 mg/L $\text{NO}_{2+3}\text{-N}$
Model:	Nitratax clear sc
Operating Pressure:	0.5 bar (7.2 psi), maximum

Operating temperature range:	2 - 40 °C
Path Length:	5 mm
Power Consumption:	2 VA
Pressure Range:	≤ 0.5 bar
Range:	0.5 - 20 mg/L NO ₂₊₃ -N
Resolution:	0.1 mg/L
Response time:	≥ 5 min
Sample Flow Rate:	0.5 - 10 L/h sample
	connection: Tube ID 4 mm/AD 6 mm
	Temp: 2 - 40 °C,
Service Interval:	6 months or as experience dictates
Sludge Compensation:	No
Verification:	Using standard solutions
Warranty:	12 months
Weight:	3.6 kg
What's included?:	Nitrate probe, controller, flow through cell, standard solution, user manual

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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)