



Nitratex clear sc 5 mm Flo Thru with SC200 Controller

Product #: 2984400
INR Price: Contact Hach

UV analysis--the reagent-free alternative

Nitratex 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)
Application:	Outlet; Drinking water
Cable Length:	10 m (32.8 ft.), fixed cable at sensor
Controller:	sc200
Diameter:	75 mm (12.7 x 3.0 in.)
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 NO ₃ -N
Maintenance Requirements:	typical 1 hour/month
Measuring Interval:	<gte/> 5 to 30 min (fixed values selectable)
Measuring Principle:	Reagent-free UV absorption with patented 2-beam technique
Model:	Nitratex 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
Region:	US
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
Weight:	3.6 kg

What's in the box?

Nitrate probe, controller, flow through cell, standard solution, user manual

Required Accessories

- SC1000 Multi-parameter Universal Controller Display Module (without GSM/GPRS) (Item LXV402.99.00002)