



# Nitratax plus sc Sensor, 2 mm path length with automatic cleaning



Product #: LXV417.99.20002

USD Price: [Contact Hach](#)

Call for ship date

## 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 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 of NO<sub>2</sub>+3-N in drinking water, wastewater, or activated sludge. Turbidity compensation using reference measurement. Other versions are Nitratax eco sc low cost sensor for intermittent aeration and Nitratax clear sc online sensor for 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.

▼ What's in the box?	
Nitrate probe, standard solution, user manual	

▼ Specifications	
Accuracy:	± 3 % of measured value + 0.5 mg/L (with standard solution)
Ambient Temperature:	2 - 40 °C (36 - 104 °F)
Application:	Aeration basin
Cable Length:	10 m fixed cable at sensor
Controller:	Sensor only
Controller Compatibility:	SC200, SC1000
Diameter:	70 mm
Includes:	Nitrate probe, standard solution, user manual
Length:	333 mm
Lower Limit of Detection (LOD):	0.1 mg/L NO <sub>2</sub> +3-N (with standard solutions)
Maintenance Requirements:	1 hour/month typical
Measuring Interval:	15 s to 30 min (fixed values selectable)
Measuring Principle:	UV absorption measurement
Model:	Nitratax plus sc
Operating Pressure:	0.5 bar (7.2 psi), maximum
Operating Temperature Range:	2 - 40 °C
Path Length:	2 mm
Power Consumption:	2 W
Pressure Range:	≤ 0.5 bar
Range:	0.1 - 50 mg/L NO <sub>2</sub> +3-N 0 - 200 mg/L NO <sub>3</sub>
Resolution:	0.1 mg/L
Response Time:	≥ 1 min
Sample Flow Rate:	0.5 - 10 L/h sample
Service Interval:	6 months or as experience dictates
Sludge Compensation:	Yes
Verification:	Using standard solutions

Weight:	3.6 kg
---------	--------