



## Nitratax clear sc Precise, self-cleaning UV Nitrate process probe, 5 mm

Product #: LXV420.99.50001

AED Price: Contact Hach

### UV analysis-the reagent-free alternative: NITRATAX clear sc

Reagent-free method, requiring no sampling, for direct measurement in clear fluids. Lowered directly into the sample stream (flow-through unit optional), measures the  $\text{NO}_3$  content of plant outflow.

Stainless-steel probe. UV beams are projected across a gap for immediate measurement of the nitrate content. The measuring windows are cleaned by a wiper. Evaluation by SC controller. The save fixing by easy handling of the probe is guaranteed by a specially conceived tank rim fixing for fixing the probe to a tank or channel. In order to fix the display unit close to the probe, the tank rim fixing for display units should be used. The through-flow variant is used wherever direct measurement in the medium is not possible for construction related reasons.

Prognosys is a predictive diagnostic system that allows you to be proactive in your maintenance, by alerting you to upcoming instrument issues. Know with confidence whether changes in your measurements are due to changes in your instrument or your water.

This instrument connects to Claros, Hach's innovative Water Intelligence System, enabling you to seamlessly connect and manage instruments, data, and process – anywhere, anytime. The result is greater confidence in your data and improved efficiency in your operations. To unlock the full potential of Claros, insist on Claros Enabled instruments.

**UV absorption method - proven, continuous, and precise**

**Eliminates reagents, sampling, and sample conditioning**

**Self cleaning probe using built-in wiper**

**Life-long factory calibration**

**Full-featured "Plug & Play" with SC 200 or SC 1000 digital controllers**

---

### Specifications

Accuracy:	$\pm 5\%$ of measured value + 0.5 mg/L (with standard solutions)
Ambient temperature:	2 - 40 °C
Application:	Outlet; Drinking water
Cable length:	10 m fixed cable at sensor
Controller:	Sensor only
Controller compatibility:	SC200, SC1000
Detection limit:	0.5 mg/L $\text{NO}_{2+3}\text{-N}$ (with standard solutions)
Diameter:	75 mm
Flow rate:	0.5 - 10 L/h sample
Length:	327 mm
Maintenance requirements:	1 hour/month typical

Material:	Sensor enclosure: stainless steel 316, 1.4581, single sealed body
	Wiper axle: stainless steel 1.4571
	Cable gland: stainless steel 1.4305
	Cable gland seal: PVDF
	Profile carrier: stainless steel 1.4310
	Wiper arm: stainless steel 1.4581
	Wiper profile: Silicone
	Measuring window: Suprasil (quartz glass)
Measuring interval:	≥ 5 to 30 min (fixed values selectable)
Measuring principle:	UV absorption measurement
Measuring range:	0.5 - 20 mg/L NO <sub>2+3</sub> -N
	2 - 100 mg/L NO <sub>3</sub>
Model:	Nitratax clear sc
Operatin conditions:	0.5 bar, maximum
Operating temperature range:	2 - 40 °C
Path Length:	5 mm
Power consumption:	2 VA
Pressure range:	≤ 0.5 bar
Resolution:	0.1 mg/L
Response time:	≥ 5 min
Service interval:	6 months or as experience dictates
Sludge Compensation:	No
Verification:	Using standard solutions
Warranty:	24 months
Weight:	3.3 kg
What's included?:	Nitrate probe, standard solution, user manual

## What's included?

Nitrate probe, standard solution, user manual

## Required Accessories

- SC1000 Probe Module, 4 Sensor Connectors, 4 mA Output, 4 Relays, 100-240 VAC, with EU plug (Item LXV400.99.2R121)
- SC1000 Display Module (Item LXV402.99.00001)
- 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)