



Nitratex plus sc Precise, self-cleaning UV Nitrate process probe, 5 mm

Product #: LXV417.99.50001

AED Price: Contact Hach

UV analysis-the reagent-free alternative: NITRATAX plus sc

Reagent-free method. Multiple beam absorption photometer with a flash lamp, turbidity compensation through reference measurement. Lowered directly into the sample stream (flow-through unit optional).

Stainless steel probe. UV beams are projected across a gap for immediate measurement of the nitrate content in water, wastewater and activated sludge. The measuring windows are cleaned by a wiper. Evaluation by SC controller. The simple mounting and easy handling of the probe is guaranteed by a specially designed tank rim mounting hardware. In order to place the controller near the probe, the tank rim mounting hardware for sc controller should be used. The through-flow variant is used wherever submersible installation is not possible for construction related reasons or the medium makes it necessary to measure a filtered sample (very high TS contents, sewage treatment plant inlet, etc.).

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.

As of 30. April 2023, Nitratex plus sc and Nitratex eco sc will be discontinued. Discover the new generation of UV nitrate and nitrite sensors by searching for NT3 Series.

UV absorption method-proven, continuous, and precise

Eliminates reagents, sampling, and sample conditioning

Self-cleaning probe

Measurement in activated sludge or in water

Life-long factory calibration

Specifications

Accuracy:	± 3 % of measured value + 0.5 mg/L (with standard solution)
Ambient temperature:	2 - 40 °C
Application:	Outlet; Drinking water
Cable length:	10 m fixed cable at sensor,Material: PUR;optional extension cables available in 5,10,15,20,30,50,m, total max length:60m
Controller:	Sensor only
Controller compatibility:	SC200, SC1000

Detection limit:	0.1 mg/L $\text{NO}_{2+3}\text{-N}$ (with standard solutions)
Diameter:	70 mm
Flow rate:	0.5 - 10 L/h sample
Length:	333 mm
Maintenance requirements:	1 hour/month typical
Material:	Sensor enclosure:stainl steel 1.4571; Wiper axle:stainl steel 1.4104;Cable gland:stainl steel 1.4305; Profile carrier 1mm/2mm:stainl steel 1.4310;Wiper arm 5mm: stainl steel 1.4581;Wiper profile:silicone;Seal, cable gland: PVDF;Enclosure seals, Silicone;Adaptor for filtration sensor,stainless steel 1.4308;Flow through cell(bypass) measuring cell,PVC;Seals,EPDM;Glands PVDF; Sample tub, PVC; Measuring windows:Suprasil;
Measuring interval:	≥ 15 s to 30 min (fixed values selectable)
Measuring principle:	UV absorption measurement
Measuring range:	0.1 - 25 mg/L $\text{NO}_{2+3}\text{-N}$
	0 - 100 mg/L NO_3
Model:	Nitratax plus 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:	≥ 1 min
Service interval:	6 months or as experience dictates
Sludge Compensation:	Yes
Verification:	Using standard solutions
Warranty:	24 months
Weight:	3.6 kg
Wetted Materials:	Sensor enclosure: stainless steel 1.4571;
	Wiper axle: stainless steel 1.4104;
	Cable gland: stainless steel 1.4305;
	Profile carrier 1mm/2mm: stainl steel 1.4310;
	Wiper arm 5mm: stainl steel 1.4581;
	Wiper profile: silicone;
	Measuring windows: SUPRASIL (quartz glass)
	Seal, cable gland: PVDF;
	Enclosure seals: Silicone;
	Sensor cable: PUR.
What's included?:	Nitrate probe, standard solution, user manual

What's included?

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)