NT3100sc UV Nitrate Sensor, 5 mm path length

Product #:   **LXV448.99.51001**

AED Price: Contact Hach

Proven nitrate measurements made more accessible

Improve your experience in nitrate measurement with Hach's new NT3100sc sensor. Backed by a legacy of reagent-free UV absorbance technology expertise, Hach's NT3100sc UV Nitrate Sensor is equipped to meet your unique application needs. Whether measuring nitrate in municipal sewage treatment plants, surface water, untreated water or treated drinking water, you'll have the choice of 3 different path lengths to fit your measurement ranges and turbidity compensation needs.

NT3100sc replaces Nitratax plus sc and Nitratax eco sc.

No time for downtime

Make your best process decisions to ensure water quality when you have reliable and real-time data. The Hach$^{®}$ NT3100sc uses internal smart sensors to proactively alert you of potential measurement issues so you have confidence in your process health. We'll help you reduce time spent on troubleshooting, validations, and avoid unplanned equipment downtime.

Optimize your process with smart decisions

The NT3100sc UV nitrate sensor features improved accuracy and low-level detection to help you optimize your plant performance and ensure regulatory compliance now and into the future. Hach's proven wiper technology keeps your system clean and our enhanced one-step, tool-free, wiper replacement reduces user maintenance and improves your experience.

Hach service and support - there when you need us

For nearly a century, Hach has been a leader in water quality analysis. Backed by a legacy of UV absorbance technology expertise, our Technical Support, Field Service, and Central Service Teams work together to help you maximize instrument uptime, ensure data integrity, maintain operational stability, and reduce compliance risk.

Specifications

Accuracy:	± 3% of reading ± 0.1 mg/L NO_3-N from 0.02 - 13 mg/L,
	± 5% of reading ± 0.1 mg/L NO_3-N from 13 - 25 mg/L
Altitude:	2000 m (6562 ft) maximum
Ambient temperature:	2 - 40 °C (36 - 100 °F), 95% relative humidity, non-condensing
Cable length:	10 m (33 ft)
	Extension cables are available: 5, 10, 15, 20, 30 and 50 m. The maximum cable length is 60 m (190 ft).
Certifications:	CE, CMIM, UKCA, FCC, and ISED approved
Controller compatibility:	SC200, SC1000, SC4500

Detection limit:	0.02 mg/L NO_3-N
Dimensions:	70 x 402 mm (3 x 15.8 inches) approximately
Indoor/Outdoor:	Outdoor
IP Rating:	IP68
Material:	Sensor enclosure: Stainless steel
	Enclosure seals: Silicone
	Wiper axle, arm (5 mm) and wiper blade carrier (1 mm and 2 mm): Stainless steel
	Wiper blade: Silicone
	Measuring window: Quartz glass
	Sensor cable: Polyurethane (PUR)
	Cable gland: Stainless steel
	Seal cable gland: Silicone HT
Measurement method:	Sludge compensated, 2-channel beam path
Measuring interval:	15, 30 seconds, 1, 5, 10, 30 minutes
Measuring principle:	UV absorption measurement, reagent-free
Measuring range:	0.02 - 25 mg/L NO_3-N
Model:	NT3100sc
Outputs:	II
Parameter:	Nitrate
Path Length:	5 mm
Pollution degree:	2
Power consumption:	9 W
Pressure range:	Sensor pressure limit: 0.5 bar
Process connection:	Immersion directly in media
	Bypass with Flow Through Unit
	Sedimenter
Resolution:	0.01 - 999.9
Response time:	T100: 1 minute
Sample temperature:	2 - 40 °C (36 - 100 °F)
Signal average time:	1 to 12 measurements
Sludge Compensation:	Yes
Units:	mg/L, ppm
Warranty:	24 months
Weight:	4.8 kg (10.58 lb) with 10 m cable
What's included?:	Sensor with cable set, set of wipers, user manual

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Required Accessories

- 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)