

OTT ecoN UV Nitrate Sensor, 5 mm Path Length

Product #:	**6330000190-5-E**
USD Price:	Contact Hach

The OTT ecoN UV nitrate sensor combines field reliability with a user friendly, low operational cost, future ready platform. It uses optical UV absorption technology for the determination of nitrate concentrations in fresh surface and groundwater. The calculation of nitrate from the filtered absorption spectrum includes compensations for turbidity and organic interferences. Nitrate measurements and sensor status information is available in real-time for integration into data acquisition systems. The anti-fouling wiper reduces maintenance requirements and extends deployment times for continuous monitoring locations.

Important - this sensor is only for use in environmental fresh surface water and groundwater applications.

Move locations with ease
The OTT ecoN can be easily moved from one environmental monitoring site to the next due to its 4 different adaptable path lengths. It is portable thanks to its integrated logger and low power requirements.

Worry-free operation
The sensor does not require annual calibration, making it an ideal solution to ‘set and forget’. It also leverages browser based software for greater flexibility in viewing and accessing data without a need for software installation through IT.

Access data remotely with ease
Access data via Modbus or SDI-12 protocols. For SDI-12, the OTT ecoN Converter accessory allows you to access your data by acting as an interface between your OTT ecoN and the SDI-12 interface of the peripherals. View nitrate measurements and sensor status information in near real-time.

Specifications

Accuracy:	5 mm = ± (5 % + 0.2 mg/L NO3-N)
Communication:	Ethernet (TCP/IP) RS-485 (Modbus RTU)
	SDI-12
Data Logger:	2 GB
Detector:	4 photo diodes + filter
Dimensions:	0.39 in path (10 mm path)
Housing Material:	Stainless steel (1.4571/1.4404)
IP Rating:	IP68 NEMA 6P
Light Source:	Xenon flash lamp
Maximum Operating Pressure:	3 bar

Measuring Range:	0.1-12 mg/L NO3-N
Parameters Measured:	NO_3-N, NO_3, NOx-N, NOx (calibrated with NO_3 standard solution)
Path Length:	5 mm
Power Supply:	12-24 VDC (± 10 %)
Turbidity Compensation:	Yes
Weight:	6.61 lb (3 kg)