



Be Right™



## NX7500 Multi-parameter scanning UV Probe, 0.3 mm path length, Stainless Steel, 10 m cable

Product #: LXV529.99.11112

GBP Price: Contact Us

Call for ship date

The multiparameter scanning UV sensor allows data-driven control of your process by providing accurate and continuous online monitoring of NO<sub>2</sub>-N, NO<sub>3</sub>-N, BOD, COD, DOC and TOC. The underlying measuring principle is the reagent-free UV absorption within the wavelength range from 200 to 360 nm with a 0.8 nm/pixel resolution. The sensor is an immersion probe that can be installed directly in the water by using a chain mount or it can be installed using a flow-through cell. The factory pre-calibration enables immediate use from day one. A simple grab sample verification procedure helps to ensure sensor performance and conduct optional adjustments. With the sensor submerged in the water, the nano-coated detector windows are automatically cleaned by pressurised air that eliminates surface films or particles that can affect accuracy.

The multiparameter sensor can be connected to the CD300/500 controllers, providing output options including 4-20 mA Output and Modbus RTU RS232/RS485. It is available with optical path lengths of 0.3, 1, 2, 5, 10 or 50 mm and must be operated with a separate software LXZ529.99.xxxxx depending on the application. Please contact Hach for further information.

### Specifications

Application:	Deammonification, Wastewater
Cable length:	10 m fixed cable with M12 plug
Certifications:	CE
Controller compatibility:	CD300, CD500
Detection limit:	1 mg/L NO <sub>3</sub> -N 1.7 mg/L NO <sub>2</sub> -N 100 mg/L CODeq / BODeq 17 mg/L DOCEq / TOCEq

Detection limit specification refers to standard reference solutions under lab conditions.

Flow rate:	0.1 - 10 m/s
Interface:	Ethernet (TCP/IP), RS232 or RS485 (Modbus RTU, ASCII)
Length:	470 mm
Light source:	Xenon flash lamp
Material:	Sensor enclosure: Stainless steel 1.4571/1.4404
Measuring interval:	≥ 1 min
Measuring principle:	UV absorption measurement: 200 - 360 nm (0.8 nm/pixel)
Measuring range:	1 - 330 mg/L NO <sub>3</sub> -N 1.7 - 500 mg/L NO <sub>2</sub> -N

	100 - 7300 mg/L CODeq / BODeq
	17 - 3300 mg/L DOCEq / TOCEq
Model:	NX7500
Operating temperature range:	2 - 40 °C
Parameter:	Nitrate $\text{NO}_3\text{-N}$ , Nitrite $\text{NO}_2\text{-N}$ , CODeq, BODeq, DOCEq, TOCEq
Path length:	0.3 mm
Power consumption:	< 8 W
Power requirements (Voltage):	12 - 24 V DC ( $\pm 10\%$ )
Pressure range:	Max. 3 bar (in the flow cell max. 1 bar)
Sample temperature:	2 - 40 °C
Storage conditions:	-20 - 80 °C
Warranty:	2 years
Weight:	3 kg