

UV PHOTOMETER SENSOR

Controllers

Sensors

Analysers

Samplers

Flow

Level

Pressure

Web remote control

Data logging

Accessories



S480 UV NO₃ new low-cost nitrate meter

Based on the innovative device platform concept of Chemitec S480UV sensors, Chemitec has now developed S480UV-NO₃ : a UV photometer for the determination of nitrate.

The four detection channels enable a precise optical determination of nitrate by absorption, taking into account turbidity and organic substances that pose a problem for many products currently on the market.

An internal temperature correction additionally increases stability of the measured values.

Benefits

- Proven UV-absorption method
- Without sampling and preparation of test samples
- Real-time sensor
- Without reagents
- Optical window with nano coating

Applications

- Sewage treatment plants
- Environmental monitoring
- Drinking water monitoring

Technical Specifications

Measurement technology	light source	Xenon flash lamp
	detector	4 photo diodes + filter
Measurement principle	Attenuation	
Optical path	0.3 mm, 1 mm, 2 mm, 5 mm, 10 mm, 50 mm	
Parameter	NO ₃ -N	
Measuring range	0...100 mg/l	
Measurement accuracy	± (5 % + 0.1)	
Turbidity compensation	Yes	
T100 response time	2 min	
Measurement interval	≥ 1 min	