



## Stationary water quality monitoring with Nitrate probe SPS-NO3

- Stationary, online measurement and storage of nitrate and other water quality parameters (pH, redox, dissolved oxygen, conductivity etc.)
- Automatic data transfer via mobile network or DSL
- Configuration of alarm notifications once threshold limits exceed
- Data provision on FTP-Server or via SEBA-Hydrocenter

# Technical data

<b>Nitrate probe</b>		
<b>Metrology:</b>	Lightsource	Xenon-flashlight
	Detector	4 photo diodes + filter
<b>Measurement principle:</b>	Attenuation	
<b>Optical path:</b>	1 mm, 2 mm, 5 mm	
<b>Parameter:</b>	NO <sub>3</sub> , NO <sub>3</sub> -N	
<b>Measurement range:</b>	path length: 1 mm: 0...266 mg/L NO <sub>3</sub> ; path length: 2 mm: 0...133 mg/L NO <sub>3</sub> ; path length: 5 mm: 0...53 mg/L NO <sub>3</sub> ; further measurement ranges/path lengths on request	
<b>Measurement accuracy:</b>	path length: 1 mm: ± 5 % + 4.4 mg/L NO <sub>3</sub> ; path length: 2 mm: ± 5 % + 2.2 mg/L NO <sub>3</sub> ; path length: 5 mm: ± 5 % + 0.88 mg/L NO <sub>3</sub> ;	
<b>Turbidity compensation:</b>	Yes	
<b>Data Logger:</b>	appr. 2 GB	
<b>Reaction Time T100:</b>	20 s	
<b>Measurement interval:</b>	≥ 30 s	
<b>Housing:</b>	Stainless steel (1.4571/1.4404) or Titanium 3.7035	
<b>Dimensions:</b>	approx. 470 x 48 mm (10 mm pathway)	
<b>Weight:</b>	VA	ca. 3 kg
	TI	ca. 2 kg
<b>Interface:</b>	Digital	Ethernet (TCP/IP) RS 485 (Modbus RTU)
<b>Power consumption:</b>	less or equal to 8 W	
<b>Power supply:</b>	12...24 VDC (± 10 %)	
<b>Calibration / maintenance interval:</b>	24 month	
<b>Maximum pressure:</b>	With cable 0 - 3 bar	
<b>Operating temperature:</b>	+2...+40 °C	
<b>Protection class:</b>	IP 68	
<b>Accessories:</b>	Cleaning module with Anti Fouling Wiper Wiper blades for cleaning module	

## Multiparameter sensor D8/K16

See leaflet water quality monitoring

## SEBA data logger

See leaflet UnilogCom

See leaflet NetlogCom

*The right is reserved to change or amend the foregoing technical specification without prior notice*

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