



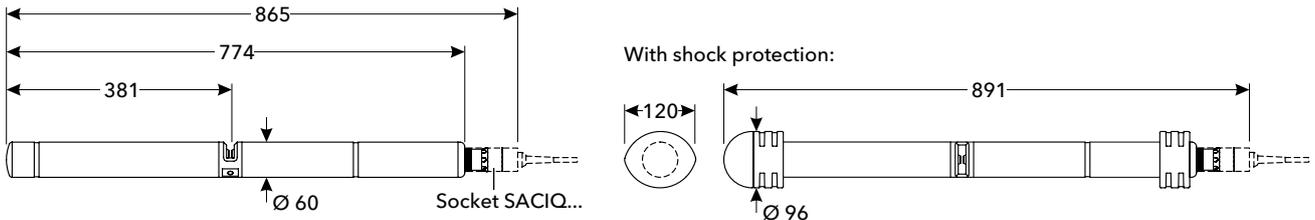
Digital optical UV VIS spectral probe NitraVis® for nitrate and suspended solids



Sensor with integrated ultrasonic cleaning for the reagent-free measurement of nitrate and suspended solids (optional) - optimized for municipal wastewater treatment systems

We would like to inform you about the application range on our website

NitraVis® 701 IQ, NitraVis® 705 IQ (TS)



| Model | NitraVis® 701 IQ | NitraVis® 705 IQ | NitraVis® 705 IQ TS |
|--|--|--|---|
| Measuring method | Spectral Measurement in the UV-VIS Range (200 - 720 nm) | | |
| Measuring gap (optical layer thickness) | 1 mm | 5 mm | 5 mm |
| Application (optimized for) | Municipal wastewater: | Municipal wastewater: | Municipal wastewater: |
| Measuring range and resolution | Inlet: NO ₃ 0.0 ... 300.0 mg/l 0.1 mg/l NO ₃ -N 0.00 ... 60.00 mg/l 0.01 mg/l | | |
| | Aeration: NO ₃ 0.0 ... 300.0 mg/l 0.1 mg/l NO ₃ -N 0.00 ... 60.00 mg/l 0.01 mg/l | | |
| | Effluent: NO ₃ 0.0 ... 750.0 mg/l 0.1 mg/l NO ₃ -N 0.0 ... 150.0 mg/l 0.1 mg/l TSS | Effluent: 0.0 ... 250.0 mg/l 0.1 mg/l 0.00 ... 50.00 mg/l 0.01 mg/l | Effluent: 0.0 ... 250.0 mg/l 0.1 mg/l 0.00 ... 50.00 mg/l 0.01 mg/l 0.0 ... 900.0 mg/l 0.1 mg/l |
| Displayable parameters | 1 | 1 | 2 |
| Accuracy (standard application muni. WWTP) | NO ₃ -N: ± 3 % of measured value ± 0.5 mg/l TSS: ± 5 % of measured value ± 50 mg/l | | |
| Flow rate | ≤ 3 m/s | | |
| Pressure resistance | Maximum 1 bar (incl. sensor connection cable) | | |
| Electrical connections | 2-wire shield cable with quick fastener to sensor | | |
| Electromagnetic compatibility | EN 61326, Class B, FCC Class A Intended for indispensable operation | | |
| Certifications | CE, UKCA | | |
| Mechanical | Housing: Titan Grade 2, PEEK Window: Sapphire glass Protection class: IP 68 | | |
| Weight (without cable) | Approx. 8.82 lb (4 kg) | | |
| Warranty | 2 years for defects in quality | | |

| Model | Description | Order No. |
|----------------------------|--|-----------|
| NitraVis® 701 IQ | Spectral nitrate probe for the measurement in inlet/aeration with integrated ultrasonic cleaning, multifunctional slide and shock-absorption-rings, without connecting cable (order SACIQ separately) | 481044 |
| NitraVis® 705 IQ | Like NitraVis® 701 IQ, but for measuring in the outlet | 481046 |
| NitraVis® 705 IQ TS | Spectral nitrate and suspended solids probe for measuring in the outlet with integrated ultrasonic cleaning, multifunctional slide and shock-absorption-rings, without connecting cable (order SACIQ separately) | 481047 |



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