

Digital nitrate or SAC sensor Viomax CAS51D

Memosens sensor for optical nitrate or SAC measurement in water, wastewater and utilities



More information and current pricing:

www.th.endress.com/CAS51D

Benefits:

- Cost-effective: Easy, chemical-free handling is safe, environmentally friendly and saves on operational expenditure.
- Extremely fast response time: Measured value processing in the sensor provides reliable real-time process information.
- Fast and easy commissioning: Sensor comes precalibrated and preconfigured ex factory.
- Enables unattended plant operation: Intelligent design and automatic air-cleaning functionality maximize availability and minimize maintenance.
- Perfect adaption to open basins: Fast and flexible sensor positioning with Flexdip CYH112 holder and CYA112 assembly system.
- Perfect adaption to pipes: Various flow cells allow easy plant integration.

Specs at a glance

- **Measurement range** 0.01 to 20 mg/l / 0.1 to 50 mg/l NO₃-N
0.04 to 80 mg/l / 0.4 to 200 mg/l NO₃ 0.1 to 50 1/m / 0.5 to 250 1/m / 1.5 to 700 1/m SAC 0.15 to 75 mg/l / 0.75 to 370 mg/l / 2.5 to 1000 mg/l COD (254nm) 0.06 to 30 mg/l / 0.3 to 150 mg/l / 0.9 to 410 mg/l TOC (254nm)
- **Process temperature** 5 to 50°C (41 to 120 °F)

Field of application: Viomax CAS51D is a smart sensor that allows unattended operation in a wide range of process conditions. Just immerse it into your process and measure. The sensor's unique design is extremely robust and it is also low-maintenance thanks to its self-cleaning functionality. With Memosens digital technology, CAS51D

combines maximum process and data integrity with simple operation. It enables lab calibration and simplifies predictive maintenance.

Features and specifications

Analyser

Measuring principle

UV photometric

Characteristic

Insitu (immersion in process), extractive with sample and flow cell
Optical photometric sensor for nitrate and SAC

Size

388 / 394 mm x 40 mm, depends on version

Design

40 mm sensor, stainless steel 316L

Process temperature

5 to 50°C (41 to 120 °F)

Ambient temperature

-20 to 60 °C (-4 to 140 °F)

Specials

G1, NPT3/4

IP68 (1m/3,3ft) water column with 1N KCl during 60d ays

Application

Drinking water, biological waste wate process, WWTP effluent
Monitoring of surface water

Measurement range

0.01 to 20 mg/l / 0.1 to 50 mg/l NO₃-N

0.04 to 80 mg/l / 0.4 to 200 mg/l NO₃

0.1 to 50 1/m / 0.5 to 250 1/m / 1.5 to 700 1/m SAC

0.15 to 75 mg/l / 0.75 to 370 mg/l / 2.5 to 1000 mg/l COD
(254nm)

0.06 to 30 mg/l / 0.3 to 150 mg/l / 0.9 to 410 mg/l TOC (254nm)

Analyser

More information www.th.endress.com/CAS51D