Digital nitrate or SAC sensor Viomax CAS51D

Memosens sensor for optical measurement of nitrate, SAC, COD_{eq}, TOC_{eq}, BOD_{eq} or DOC_{eq}



More information and current pricing:
www.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

- **Measuring 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 to 50 1/m / 0 to 250 1/m / 0 to 1000 1/m SAC 0 to 75 mg/l / 0 to 375 mg/l / 0 to 1500 mg/l COD/BOD (254nm) 0 to 30 mg/l / 0 to 150 mg/l / 0 to 600 mg/l TOC/DOC (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 in water, wastewater and utilities. It ensures continuous online measurements without any chemicals and it is extremely robust as well as low-maintenance thanks to its self-cleaning design. You can select the CAS51D as nitrate sensor or as sensor for SAC and several

sumparameters. Thanks to Memosens digital technology, Viomax CAS51D offers high process and data integrity and is easy-to-use.

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

Measuring 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 to 50 1/m / 0 to 250 1/m / 0 to 1000 1/m SAC
0 to 75 mg/l / 0 to 375 mg/l / 0 to 1500 mg/l COD/BOD (254nm)
0 to 30 mg/l / 0 to 150 mg/l / 0 to 600 mg/l TOC/DOC (254nm)

Analyser

More information **www.endress.com/CAS51D**

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