

TN analyzer

Liquiline System CA80TN

Total nitrogen analyzer for environmental monitoring, industrial and municipal wastewater



Дополнительная информация и актуальные цен:

www.casc.endress.com/CA80TN

Преимущества:

- Standardized alkaline persulfate digestion and UV-photometric measurement according to HJ636 offer direct comparability to most cuvette tests.
- Robust: Titanium reactor with sapphire glass windows ensures a long lifetime.
- Flexible: Integrated dilution module covers a wide measuring range.
- Fast and easy process integration: Direct installation of self-priming version or y-strainer for bypass applications.
- Easy upgrade to a complete measuring station - simply by adding modules and connecting Memosens sensors.

Краткие характеристики

- **Диапазон измерения** 0 to 10 mg/l N 0 to 50 mg/l N 0 to 200 mg/l N
- **Рабочая температура** 4 to 40 °C (39.2 to 104 °F)
- **Рабочее давление** At atmospheric pressure, < 0.2 bar

Назначение: Nitrogen is a lead parameter to determine surface water quality and wastewater effluent values. Both, organic and inorganic substances contribute to the total nitrogen load. Increased nitrogen contents indicate influences from wastewater, landfill leachate or agriculture. Liquiline System CA80TN analyzer offers precise online measurement of total nitrogen and ensures highest process safety. Advanced diagnostics with remote access support you in providing process documentation to the authorities.

Характеристики и спецификации

Анализатор

Принцип измерения

Фотометрические УФ-анализаторы

Характеристики

Process analyzer for total nitrogen in aqueous solutions
UV photometric method following HJ636-2012

Размер

Housing (open version):
793 x 530 x 417 mm
31.22 x 20.87 x 16.42 in
Housing (closed version):
793 x 530 x 463 mm
31.22 x 20.87 x 18.23 in
Housing with base:
1723 x 530 x 463 mm
67.83 x 20.87 x 18.23 in

Конструкция

Open design, cabinet and stand housing
High-Performance plastic ASA-PC, additional stand coated steel

Рабочая температура

4 to 40 °C (39.2 to 104 °F)

Температура окружающей среды

5 to 40 °C (41 to 104 °F)

Рабочее давление

At atmospheric pressure, < 0.2 bar

Расход проб

Min. 15 ml/min (0.51 fl.oz/min)

Консистенция проб

Aqueous, homogeneous

Анализатор

Применение

Monitoring of wastewater treatment plant outlet
Monitoring of the surface water quality
Monitoring of industrial water treatment
Monitoring and optimization of industrial wastewater treatment plants

Источник питания

100 to 120 VAC / 200 to 240 VAC \pm 10%
50 \pm 1 or 60 \pm 1,2 Hz

Выходной сигнал

2x 0/4 to 20 mA
Modbus RS485/TCP (optional)
Webserver (optional)
Ethernet/IP
Profibus DP
Alarm relay

Входной сигнал

1 measuring channel
1 to 4 digital sensor inputs for sensors with Memosens protocol (optional)

Диапазон измерения

0 to 10 mg/l N
0 to 50 mg/l N
0 to 200 mg/l N

Расходные материалы

Reagents and standard solutions CY80TN as well as cleaner CY800 are necessary for the operation
Regular maintenance is done with the parts of the maintenance kit CAV880

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