

CS6802CD Digital Nitrate Nitrogen Sensor



Principle

NO₃ has an absorption at 210nm ultraviolet light. During operation, the sample flows through the slit, and the light emitted by the light source passes through the slit. Some of the light is absorbed by the moving sample in the slit, while the rest of the light passes through the sample and reaches the detector on the other side of the probe, where the nitrate concentration value is calculated.

Features

- The probe makes direct immersion measurements without the need for sampling and preprocessing.
- No chemical reagents, no secondary pollution
- Short response time for continuous measurement
- The sensor has an automatic cleaning function to reduce maintenance
- Sensor power supply positive and negative polarity protection

The sensor RS485 A/B is incorrectly connected to the power supply

Application

In the fields of drinking water/surface water/industrial production process water/sewage treatment, continuous monitoring of nitrate concentration values dissolved in water is especially suitable for monitoring sewage aeration tank and controlling denitrification process.

Specification

Measuring range	0.1~100.0mg/L
Accuracy	± 5%
Repeatability	± 2%
Pressure	≤0.1Mpa
Material	SUS316L
Temperature	0~50°C
Power supply	9~36VDC
Output	MODBUS RS485
Storage	-15 to 50°C
Working	0 to 45°C
Dimension	32mm*189mm
IP Grade	IP68/NEMA6P
Calibration	Standard solution, water sample calibration
Cable length	Default 10m cable