CODS-3000 Online COD Analyzer

Measuring Principle

The electrode method COD online analyzer is based on the absorption of ultraviolet light by organic matter, and uses the 254 nm spectral absorption coefficient SAC254 to reflect the important measurement parameters of soluble organic matter content in water, and can be converted into COD value under certain conditions. This method allows for continuous monitoring without the need for any reagents.

Main Features

Directly immersion measurement without sampling and pre-processing
No chemical reagents, no secondary pollution
Quickly response time and continuous measurement
With automatic cleaning function and few-maintenance

Application

Continuous monitoring of organic matter load in the sewage treatment process
0n-line real-time monitoring of the quality of the influent and outflow water of the wastewater treatment
Continuous online monitoring of surface water, industrial discharge water, and fishery discharge water

Technical parameters of Transmitter

Display	128 * 64 dot matrix LCD with LED backlight, which can be operated under the direct sunlight
Power	AC:AC220V, 50HZ, 5W DC:DC24V
Dimension	145*125*162mm L*W*H
Protection	IP65/NEMA4X
Storage temp	-20 to 70℃
Operation temp	-15 to 60℃
Output	2 ways of 4-20mA
Relay	3 ways of relay
Communication	MODBUS RS485

Technical parameters of COD Sensor

Measuring range	0-200mg, 0~1000mg/l COD (2mm optical path)
Accuracy	±5%
Measurement	minimum 1 minute
Pressure range	≤0.4Mpa
Sensor material	SUS316L
Storage temp	-15℃ ~ 65℃
Operating temp	0℃~45℃
Dimension	70mm*395mm(Diameter*length)
Protection	IP68/NEMA6P
Cable length	Standard 10m cable, can be extended to 100 meters