

Environmentally Friendly COD Sensor

Introduction

The Kacise COD/TOC sensor is new generation of environmentally friendly COD / TOC sensors. It does not require reagents. It is non-polluting, more economical, and more environmentally friendly. It is small size, easy to install. It can perform online monitoring the water quality. It can automatically compensate for turbidity disturbances. It is equipped with an automatic cleaning device. The sensor has excellent stability even in long testing periods.



Principle

Many organic substances dissolved in water absorb ultraviolet light. Therefore, by measuring the absorption of these organic substances by ultraviolet light at a wavelength of 254 nm, the total amount of organic pollutants in water can be measured. The COD series sensor uses two light sources, one 254nm ultraviolet light and one 360nm ultraviolet reference light, which can automatically compensate the optical path attenuation and turbidity effects, thus achieving more stable and reliable measurement values.

Feature

- Digital sensor, RS-485 output, support MODBUS
- No reagents, no pollution, more economical, more environmentally friendly
- Can measure SAC, COD, TOC and other parameters
- Automatically compensates for turbidity interference for outstanding test performance

Technical Specifications

product	Measuring range	Application field
20101885 (6mm gap)	SAC 0.5 to 250 1/m COD 0.75 to 370 mg/l equiv. KHP TOC 0.3 to 150 mg/l equiv KHP	surface water monitoring, domestic sewage monitoring