KANAGAWA INSTRUMENTS

Digital Ultraviolet Sensor

Model:KUVP



Parameters

- COD
- BOD
- TOC
- TUR

Introduction

COD sensor is a UV absorption COD sensor, combined with a lot of application experience, based on the original basis of a number of upgrades, not only the size is smaller, but also the original separate cleaning brush to do one, so that the installation is more convenient, with higher reliability.

It does not need reagent, no pollution, more economic and environmental protection.On-line uninterrupted water quality monitoring.Automatic compensation for turbidity interference, with automatic cleaning device, even if long-term monitoring still has excellent stability.

Testing Principle

Many organic compounds dissolved in water are absorbent to ultraviolet light. Therefore, the total amount of organic pollutants in the water can be measured by measuring the extent to which these organics absorb ultraviolet light at 254nm.

Sensor Features

Digital sensor, RS-485 output, support Modbus
No reagent, no pollution, more economic and environmental protection
Automatic compensation of turbidity interference, with excellent testperformance
With self-cleaning brush, can prevent biological attachment, maintenance cycle more

Technical parameters:

Name	Parameter
Interface	Support RS-485, MODBUS protocols
COD Range	0.1 to 1500mg/L equiv.KHP
BOD Range	0.1 to 900mg/L equiv.KHP
COD/BOD Accuracy	<5% equiv.KHP
COD/BOD Resolution	0.01mg/L equiv.KHP
TOC Range	0.1 to 750mg/L equiv.KHP
TOC Accuracy	<5% equiv.KHP
TOC Resolution	0.1mg/L equiv.KHP
Tur Range	0.1-4000 NTU
Tur Accuracy	＜3% or 0.2NTU
Tur Resolution	0.1NTU
Temperature Range	+5～45℃
Housing IP Rating	IP68
Maximum pressure	1 bar
User Calibration	one or two points
Power Requirements	DC 12V +/-5%，current<50mA(without wiper)
Sensor OD	32 mm
Sensor Length	200 mm
Cable Length	10m (default)