

Online COD BOD TSS Sensor



Introduction

FLDBH5001 series COD BOD sensor is a new generation of environmentally friendly COD BOD sensor launched by our company. It requires no reagents, no pollution, and is more economical and environmentally friendly. Small size and easy installation, water quality monitoring is available online. Automatic compensation for turbidity disturbances, with automatic cleaning, for stability even for long-term monitoring.

Principle

Many organic substances dissolved in water absorb ultraviolet light. Therefore, the total amount of organic pollutants in water can be measured by measuring the absorption of these organic substances by ultraviolet light at a wavelength of 254nm. FLDBH5001 series sensors use two light sources, one 254nm ultraviolet light and one 850nm infrared 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 and environmentally friendly
- ✧ Can measure COD,BOD,TSS ,TOC,SAC and other parameters
- ✧ Automatic compensation for turbidity interference for excellent test performance

Technical parameter

Item	Parameters	
Model	Measuring range	Application field
FLDBH5001(6 mm gap)	COD 0.75 to 1500 mg/l equiv. KHP TOC 0.3 to 550 mg/l equiv KHP TSS 0 to 1000 mg/L BOD 0~500 mg / L	Tap water,Sewage treatment plant outlet, natural waters
FLDBH5002(1mm gap)	COD 2.5 to 2000 mg/l equiv. KHP TOC 1.5 to 1100 mg/l equiv KH TSS 0 to 1000 mg/L BOD 0~500 mg / L	Industrial process control,Raw water
Power supply	12VDC +/-5%	
Output signal	RS485 / Modbus	
Accuracy	0.01mg/L COD	
Calibration	1 or 2 point calibration	