



Digital COD Sensor with RS485 Model: BH-485-COD

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.

Application

- 1) Continuous monitoring of organic matter load in the sewage treatment process
- 2) On-line real-time monitoring of influent and outflow water of the wastewater treatment
- 3) Application:surface water, industrial discharge water, and fishery discharge water etc

Main Features

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

Parameters of Sensor

Measuring range :0-200mg, 0~1000mg/l COD (2mm optical path) Accuracy: $\pm 5\%$

Measurement interval: minimum 1 minute

Pressure range: $< 0.4\text{Mpa}$

Sensor material:SUSS 16L

Communication: RS485 Modbus

Operating temperature: 0 to 45 ° C

Degree of protection IP68/NEMA6P;

Cable length Standard 10m cable, can be extended to 100 meters

