

CS6603D Digital COD Sensor



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. The sensor uses two light sources -- 254nm UV and reference light -- to automatically eliminate suspended matter interference, resulting in more stable and reliable measurements.

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 test performance

With self-cleaning brush, can prevent biological attachment, maintenance cycle more

Technical parameters:

Name	Parameter
Interface	Support RS-485, MODBUS protocols
COD Range	0.5 to 1500mg/L maximum, equiv.KHP
COD Accuracy	<5% equiv.KHP
COD Resolution	0.01mg/L equiv.KHP
BOD Range	0.4 to 600mg/L equiv.KHP
BOD Accuracy	<5% equiv.KHP
BOD Resolution	0.1mg/L equiv.KHP
Tur Range	0-500 NTU
Tur Accuracy	<3% or 0.2NTU
Tur Resolution	0.1NTU
Temperature Range	+5 ~ 45°C
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	50 mm
Sensor Length	214 mm
Cable Length	10m (default)