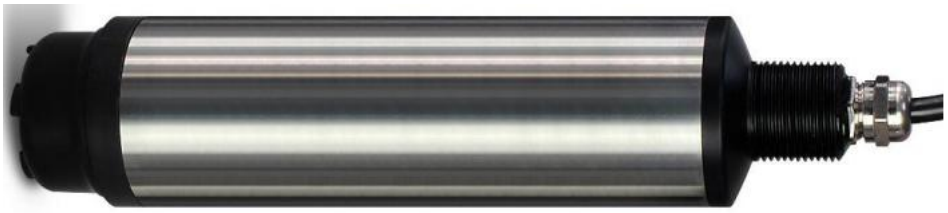
CS4760D Digital Dissolved Oxygen Sensor



Fluorescent dissolved oxygen electrode adopts optical physics principle, no chemical reaction in the measurement, no influence of bubbles, aeration/anaerobic tank installation and measurement are more stable, maintenance-free in the later period, and more convenient to use. Fluorescent oxygen electrode.

Fluorescence method dissolved oxygen sensor is based on the principle of fluorescence quenching. When the blue light irradiates the fluorescent substance, the fluorescent substance will be excited and emit red light. Since oxygen molecules can take energy away, the time of the excited red light is inversely proportional to the concentration of oxygen molecules.Without calibration and designed with ultra-low energy consumption in mind, the sensor can meet all the requirements of field operations as well as long and short term tests.Fluorescence technology can provide accurate measurement data for all measurement environments, especially those with low oxygen concentration, without consuming oxygen.

The electrode lead is made of PVC material, which is waterproof and anti-corrosion, which can cope with more complicated working conditions.

The electrode body is made of 316L stainless steel, which is corrosion-resistant and more durable. The sea water version can also be plated with titanium, which also performs well under strong corrosion.

The fluorescent cap is anti-corrosion, the measurement accuracy is better, and the service life is longer. No oxygen consumption, low maintenance and long life.

Model No.	**CS4760D**
Power/Outlet	9~36VDC/RS485 MODBUS RTU
Measure methods	Fluorescent method
Housing material	POM+ 316L
Waterproof grade	IP68
Measurement range	0-20mg/L
Accuracy	±1%F.S
Pressure range	≤0.3Mpa
Temperature compensation	NTC10K
Temperature range	0-50℃
Measuring/Storage Temperature	0-45℃
Calibration	Anaerobic water calibration and air calibration
Connection methods	4 core cable
Cable length	Standard 10m cable, can be extended to 100m
Installation thread	G3/4 End thread
Application	General application, river, lake, drink water, environmental protection, etc.