

Sentinel (RS-485) DO

XCOMP-2000-0003

SPECIFICATIONS

Measurement range	DO: 0~20mg/L or 0~200% saturability Temperature: 0~45°C with automatic temperature compensation
Measurement accuracy	DO: ±3% or ±0.3 mg/L, whichever is greater Temperature: ±0.5°C
Repeatability	±0.3mg/L
Resolution	0.01mg/L
Pressure range	≤0.3Mpa
Materials	SUS316L (Ordinary Version) , Titanium Alloy (Seawater Version) Up and down cover: PPS + glass fiber, Cable: PUR
Power supply	9~28VDC
Communication protocol	MODBUS RS485
Storage Temperature	-15~60°C
Operating Temperature	0~45°C (not freeze)
Weight	1.4KG
Level of Protection	IP68/NEMA6P
Cable length	Standard: 10 m, the maximum can be extended 100m



PRODUCT INFORMATION

The Sentinel (RS-485) DO dissolved oxygen sensor uses advanced fluorescence quenching technology. When the blue light emitted by the sensor illuminates the fluorescent substance on the fluorescent cap, the fluorescent substance is excited to emit red light, and since the oxygen molecule can carry away the energy (quenching effect), the time and intensity of the excited red light and the concentration of the oxygen molecule become in inverse proportion, the concentration of dissolved oxygen in water can be obtained by calculation.

This product is widely used in the DO online monitoring of the regulating tank, biochemical tank and effluent of sewage treatment plant. DO online monitoring in waterworks, surface water, water used in various industrial production processes, aquaculture and other industries. The sensor appearance is shown in Figure 1.

External dimension:

