

RK500-04 Dissolved Oxygen(DO) Sensor design based on the principle of fluorescence and high performance through oxygen membrane, with short response time, measurement accuracy, stable performance, etc.It can be widely used in chemical fertilizer, metallurgy, environmental protection water treatment engineering, pharmaceutical, biochemical, food, aquaculture and water such as continuous monitoring of dissolved oxygen in the solution.

## FEATURES

- On-line & real-time monitoring
- With temperature compensation
- High accuracy
- Simple operation and high reliability
- No external module, a whole design
- Long service life
- Dissolved oxygen and temperature measurement at the same time(RS485)
- No requirement for liquid velocity
- Not affected by ions



## APPLICATIONS

- Environmental protection
- Water quality monitoring
- Aquaculture
- Clean in place(CIP)
- Sewage treatment
- Industrial wastewater treatment

## TECHNICAL SPECIFICATION

Item	Technical Specification	
	DO	Temperature
Range	0-20mg/L(ppm)	0-60℃
Accuracy	±0.5%FS	±0.5℃
Resolution	0.01mg/L	0.1℃
Supply	12VDC,24VDC	
Temperature compensation	0-60℃	
Output	RS485	
Measuring principle	Fluorescence	
Maintenance	Every 1year to replace fluorescent cap	
Response time	<60s	
Pressure Resistance	0.3MPa	
Power consumption	<0.4W	
Operating Temperature	0-+80℃	

# RK500-04 Dissolved Oxygen Sensor

Probe material	General: 316L For seawater: titanium alloy
Dimension	Φ 16*125mm
Weight(probe)	0.7kg
Ingress Protection	IP68
Storage	10-60°C@20%-90%RH
Cable length	5m default, other length customizable



Complies with applicable CE directives.  
Specifications subject to change without notice. Version 3.0  
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