



## KYO-1 Dissolved Oxygen Analyzer



### Description

KYO-1 Dissolved oxygen measuring - controlling instrument (Dissolved Oxygen Analyzer) is designed, produced and sold independently by Kang Yu Company. It solves the problem of electrochemical sensing, achieves sensing without having to change oxygen permeation membrane or electrolyte. It contains many technical indicators in the domestic leading level, and it is really good product at good prices.

It acquires the CMC certification from Quality and Technical Supervision of Guangdong Province.

It is such kind of highly intelligent instrument controlled by microprocessor that makes it good stability, accurate measurement, fast response speed. It can monitor the dissolved oxygen of water continuously by 24 hours, reflecting the variation accurately.

It has multi-functions such as hypoxia alarm and lightning protection. And it can control an aerator automatically according to the dissolved oxygen level, making accurate oxygenation, reducing mechanical loss, cutting down the breeding cost, optimizing the water quality, and increasing production. It can also turn the experience into data through continuous monitoring of dissolved oxygen, making breeding more scientific.

### Applications

Aquaculture, Environmental monitoring

### Features:

1. No need to change oxygen permeation membrane or electrolyte.
2. No oxygen consumption and no requirement to the velocity and agitation.
3. Not distorted upon following materials: H<sub>2</sub>S, PH, CO<sub>2</sub>+, NH<sub>4</sub>+, SO<sub>4</sub><sup>2-</sup> etc.
4. Digitalized sensor, strong anti-interference ability and stability, and long distance transmission in hundreds of meters.
5. Plug and play by the sensor automatic recognition.



6. Programmable relay output in two ways: lower limit control and timing control.

#### **Specifications:**

1. Measuring method: Fluorescence measurement
2. Display mode: liquid-crystal
3. Measuring range: (0~20) mg/L
4. Accuracy: <math>\pm 0.5</math> mg/L
5. Repeatability: <math>< 0.2</math> mg/L
6. Zero drift: <math>< 0.2</math> mg/L
7. Response time: <math>< 5</math> minutes
8. Temperature measurement range: (0~50) °C
9. Temperature resolution: 0.1 °C
10. Temperature measurement error: <math>< 1</math> °C
11. Working atmosphere: (0~40) °C, <math>< 85</math> %RH
12. Storage temperature: (-10~+70) °C
13. Volume of controller: 9×9×9cm
14. Power Supply Voltage: 180~260VAC
15. Power dissipation: 20W

#### **Application Overview:**

Based on fluorescence quenching, strong anti-interference ability and stability, fast response, monitoring the dissolved oxygen of water continuously by 24 hours, reflecting the variation accurately.

Gross weight: 1.7kg

Net weight: 1.6kg

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