



Industrial Online Monitoring Instrument Series



Industrial Online Fluorescence DO Monitor

DO6000Y

Product Technical Specification | July 2026

Nanjing Jiuyuhui Environmental Technology Co., Ltd.
www.jiuyuhub.com

Product Overview

The DO6000Y uses fluorescence quenching technology - no membrane, no electrolyte, maintenance-free, fast response. Range 0-250% / 0-25 mg/L, IP65, 4-20mA+RS485, dual relay control. Widely used for industrial water, municipal water, wastewater, and aquaculture continuous monitoring.

- Fluorescence Quenching
- Maintenance-Free
- 0-25mg/L
- IP65
- No Membrane

Key Features



Fluorescence Quenching

No membrane, no electrolyte, maintenance-free, long life.



IP65 Protection

Dust/water resistant for 24/7 online monitoring.



4-20mA+RS485

Isolated 4-20mA + RS485 interface.



Dual Relay Control

Hi/Lo alarm with 2 SPST relay control.



Wide Temp/Pressure Comp.

Auto temp + pressure/salinity compensation.



LCD + CN/EN Menu

LCD screen with Chinese/English menu.

Technical Specifications

Parameter	Specification
Model	DO6000Y
Principle	Fluorescence quenching
Saturation Range	0.0-250.0%
DO Range	0.00-25.00 mg/L
Resolution	0.1% / 0.01 mg/L
Accuracy	+/-0.3 mg/L
Temperature Range	0-55C
Temp Accuracy	+/-0.3C
Pressure Comp.	600-1400 mbar
Salinity Comp.	0.0-40.0 g/L
Mounting	Wall or panel mount
Output	4-20mA (isolated)
Comm.	RS485 (optional)
Relay	2x SPST (2.5A 230VAC)
Cleaning/Alarm	Optional 3rd
Power	85-260VAC or 12-36VDC
Operating Env.	0-60C, <90%RH
Protection	IP65

Dimensions	Wall 158x188x108 mm / Panel 108x108x156 mm
Weight	Wall 0.7 kg / Panel 0.6 kg
Maintenance	Fluorescence method - no membrane/electrolyte; periodic fluorescent cap cleaning

Typical Applications

- ▶ Aeration tank DO monitoring at WWTPs
- ▶ Process DO control in industrial water
- ▶ Continuous DO monitoring in aquaculture
- ▶ Drinking water plant DO online monitoring

Ordering Guide

Product Code	Description
DO6000Y	Wall/panel-mount controller + fluorescence DO probe

Accessories / Consumables

Accessory	Specification	Note
Fluorescence DO Probe	-	Standard probe

Why Choose Jiuyuhub

**Application-First Matching**
Recommendations based on your operating conditions.

**Southeast Asia Adapted**
Optimized for tropical environments.

**One-Stop Supply**
Water quality, fluid control, flow measurement.

**24-Hour Response**
Fast response to inquiries.

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