ProCon® – DO3000 Series
Dissolved Oxygen Sensor

ICON PROCESS CONTROLS™ Corrosion-Free Instrumentation Equipment™

Key Features

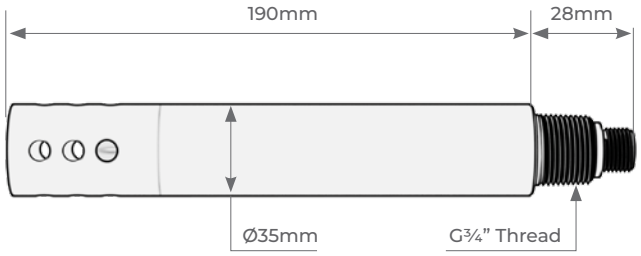
- Optical Fluorescence Measurement
- RS485 Communication
- High Reliability and Interference Resistance

The **DO3000 Dissolved Oxygen sensor** uses a fluorescence-based method to measure oxygen levels in water. Blue light emitted from the sensor excites the fluorescent layer, causing it to release red light. Since this technique does not consume oxygen, it provides stable data, reliable performance, and strong resistance to interference, while keeping installation and calibration straightforward.

Specifications

Technical Parameters	
Measurement Range	0-20mg/L | 0-200% Saturation
Temperature Range	32~113°F | 0~45°C
Measurement Method	Fluorescence Method
Power Supply	9-36VDC
Storage Temperature	5~149°F | -15~65°C
Max. Pressure	≤43.5psi
Accuracy	DO: ±3% F.S
	Temperature: ±0.5°C
Output	RS485 MODBUS RTU
Calibration	Air Calibration
Physical Parameters	
Material	Body: POM | Membrane: 316SS
Thread Connection	G¾"
Waterproof Level	IP68 | NEMA 6P

Dimensions



Wiring

Color	Description
Red	9~36VDC
Black	-VDC
Green	RS485A
White	RS485B

Model Selection

Part Number	Output	Description
DO3000	RS485	DO3000 Sensor
DO3000-C	RS485	DO3000 Sensor + DO3500 Controller

