

DISSOLVED OXYGEN

OPTICAL DIGITAL DO SENSOR - D700 / D800

Liquid Analysis

Measurement & Monitoring



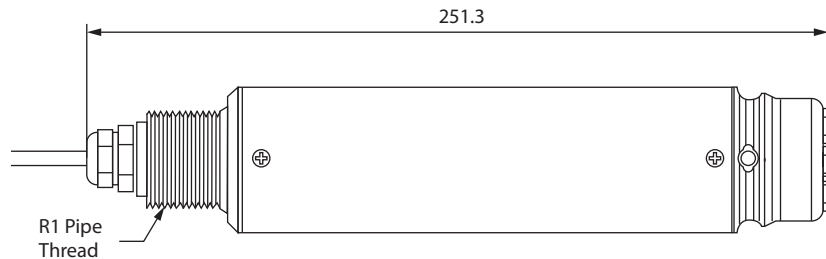
DESCRIPTION

The D700 and D800 series online optical digital dissolved oxygen sensor with fluorescence technology without membrane and electrolyte. The cap of the sensor is coated with a luminescent material. The sensor apply NTC temperature compensation and direct digital signal output. The D700 and D800 are completed with RS485 (modbus) digital signal output, integrating and networking with other equipment without controller. With rapid response, low maintenance cost, real-time online measurement, the D700 and D800 are suitable for regulating reservoir, biochemical pool, effluent of sewage treatment plant, surface water, industrial process water, aquaculture, etc.

FEATURES

- ✓ Optical digital sensor with RS485 signal output
- ✓ Fluorescence technology
- ✓ Strong anti-interference ability
- ✓ NTC temperature compensation
- ✓ Fast response time
- ✓ Low maintenance cost

DIMENSION/DRAWING



I-SYSTEM MEASUREMENT
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TECHNICAL FEATURES

Operating Condition

Range	0 to 20 mg/L or 0 to 20 ppm
Pressure Range	≤0.3Mpa
Measuring Temperature	0 to 45°C

Sensor Performance

Accuracy	DO: ±3%; Temperature: ±0.5°C
Calibration	Air automated calibration; Sample calibration

Electrical

Communication	RS485 (Modbus)
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Dimension and Protection

Dimension	Diameter 49.5 mm, Length 251.3 mm
Protection	IP68/NEMA 6P
Sensor Material	Standard: SUS316L Optional: Titanium alloy (Ocean marine)
Signal Cable Length	Standard 10 meter (Maximum 100 meter)

Storage Requirement

Storage Temperature	-15 to 60°C
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