



Digital Optical Dissolved Oxygen Meter

Model : DOG-2082YS



This Optical dissolved oxygen meter was developed by BOQU Instrument ,it's with digital optical dissolved oxygen snesor, it uses fluorescence measurement of dissolved oxygen, blue light emitted by the phosphor layer, a fluorescent substance is excited to emit red light, and the fluorescent substance and the concentration of oxygen is inversely proportional to the time back to the ground state. The method uses a measurement of dissolved oxygen, no oxygen consumption measurement, the data is stable, reliable performance, there is no interference, installation and calibration simple. DOG-2082S can be matched with different brand Optical dissolved oxygen sensor that's with RS485 modbus, it's widely used in sewage treatment plants each process, water plants, surface water, industrial process water production and wastewater treatment, aquaculture and other industries on-line monitoring dissolved oxygen.

Technical Features

- 1) Extremely quickly and precision optical dissolved oxygen sensor.
- 2) It's suitable for harsh application and free-maintenance,save cost.
- 3) Speical light source technology for long working life of dissolved oxygen sensor.
- 4) Provide two ways of 4-20mA output for dissolved oxygen and temperature.
- 5) Digital Optical DO Sensor provide precision and online measurement.
- 6) With data recording function,user easy to check history data and history curve.

Technical Parameters

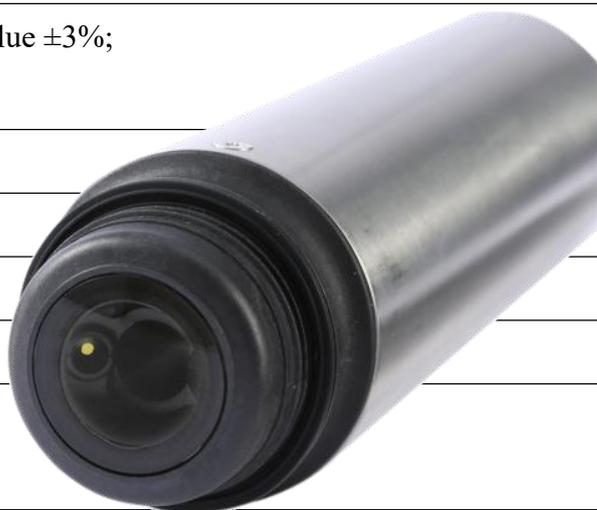
Product	DOG-2082YS Digital Optical Dissolved Oxygen Meter
Function	Online measure dissolved oxygen and temperature
Sensor	Optical dissolved oxygen sensor with RS485
Measure range	0~20.00 mg/L 0~200.00 % -10.0~100.0°C
Accuracy	±1%FS ±0.5°C
Power	90 – 260V AC 50/60Hz
Output	2 Roads of 4-20mA (Dissolved oxygen, temperature)
Relay	Three relays;5A/250V AC , 5A/30V DC
Overall dimension	144×144×104mm
Hole size	138×138mm
Communication	RS485 Modbus RTU
Shell	ABS
Protection	IP65

Optical Dissolved Oxygen Sensor**Model : DOG-209FYD****Technical Features**

1. The sensor uses a new type of oxygen-sensitive film with good reproducibility and stability. Breakthrough fluorescence techniques, requires virtually no maintenance.
2. Maintain prompt the user can customize the prompt message is automatically triggered.
3. Hard, fully enclosed design, improved durability.
4. Use simple, reliable, and interface instructions can reduce operational errors.
5. Set a visual warning system to provide important alarm functions.
6. Sensor convenient on-site installation, plug and play.

Technical Parameters

Material	Body: SUS316L + PVC (Limited Edition), Titanium (seawater version); O-ring: Viton; Cable: PVC
Measuring range	Dissolved oxygen:0-20 mg/L,0-20 ppm; Temperature:0-45°C
Measurement accuracy	Dissolved oxygen:measured value ±3%; Temperature:±0.5°C
Pressure range	≤0.3Mpa
Output	MODBUS RS485
Storage temperature	-15~65°C
Ambient temperature	0~45°C
Calibration	Air automatic calibration, Sample calibration
Cable	10m
Size	55mmx342mm
Waterproof rating	IP68



Dimension

