



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.
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Technical Parameters

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| 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



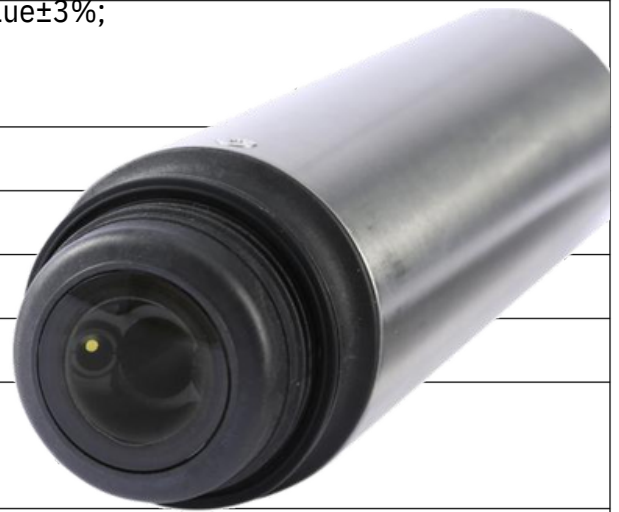
Model : DOG-209FYD

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.
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Technical Parameters

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| 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 | Dissolvedoxygen:measuredvalue±3%; Temperature:±0.5°C |
| Pressurange | ≤0.3Mpa |
| Output | MODBUSRS485 |
| Storagetemperature | -15~65°C |
| Ambienttemperature | 0~45°C |
| Calibration | Air autamatic calibration, Sample calibration |
| Cable | 10m |
| Size | 55mmx342mm |
| Waterproofrating | IP68 |



Dimension

