

ONLINE DISSOLVED OXYGEN ANALYZER

Model TMC-102 + TDO102

TDO102 series online Dissolved Oxygen Sensor by the optical method. The fluorescent substance is stimulated to emit red light, and the oxygen concentration is inversely proportional to the time when the fluorescent substance returns to the ground state. By using this method to measure the dissolved oxygen, it will not produce oxygen consumption, thus assuring data stability, reliable performance, no interference, and simple installation and calibration.



Features

- Range: 0 – 20 ppm (mg/L); 0 – 45 °C.
- The on-line dissolved oxygen Sensor by the optical method, can work stably for a long time.
- Built in temperature sensor, real-time temperature compensation.
- **High and low alarm:** set-up high and low alarm via relay output.
- **Waterproof rate:** IP68/NEMA6P
- **Accessories:** integrated in flowcell, auto cleaning.
- **Multi-screen display:** There are four kinds of sensors can connect to display, user-friendly display for the different requirements.
- **DO calibration:** provide slope calibration.
- **Completed system ready to use.**



TECHNICAL SPECIFICATION

CONTROLLER

Housing box: ABS material; IP 67

Model: TMC-102

Display: Graphic LCD

Input sensor: max. 04 sensors

Relay output: 02 relays

Communication output: Modbus RTU

Analog output: 4-20 mA

Power supply: 220 VAC or 24 VDC



DO SENSOR

Model: TDO102

Parameter measurement: Dissolved oxygen

Measure range: 0~20.0mg/L; Temperature: 0~45°C

Accuracy: $\pm 3\%$; Temperature: $\pm 0.5^\circ\text{C}$

Calibration: Automatic air calibration

Working environment: Temperature 0~45 °C, Relative humidity <85%

Working pressure: Min. 1.2 bar; Max. 2.5 bar

Dimension of transmitter: W280 x L130 x H190 mm

Dimension of sensor box: W140 x L95 x H230 mm

Made in Vietnam

