
- **Upper limit, lower limit, and hysteresis control**
- **4-20mA & RS485 with multiple output options**
- **The same interface displays dissolved oxygen, temperature, current, etc.**
- **Password protection can be set to prevent unauthorized personnel from accidental operation.**

# T6548 Online Dissolved Oxygen Meter

The fluorescence-based industrial online dissolved oxygen meter is a water quality online monitoring and control instrument equipped with a microprocessor. This device is configured with a fluorescence-based dissolved oxygen electrode and is widely used in various industries such as power plants, petrochemicals, metallurgy, electronics, mining, papermaking, food and beverage, environmental water treatment, and aquaculture. It continuously monitors and controls the dissolved oxygen concentration and temperature values in aqueous solutions.

## Instrument characteristics

- **Large LCD color liquid crystal display screen**
- **Smart menu operations**
- **Data records & curve display**
- **Multiple automatic calibration functions**
- **Manual or automatic temperature compensation**
- **Three-group relay control switch**

## technical parameter ：

(1) Measurement range (based on sensor range):

Dissolved oxygen: 0－20.0 mg/L; 0－200%;

temperature ： -10～150.0℃;

(2) Resolution:

Dissolved oxygen: 0.01 mg/L; 0.1%;

temperature ： 0.1℃;

(3) Basic error:

Dissolved oxygen: ±1% F.S.;

temperature ： ±0.3℃;

(4) Response time (90% final value):

<60 seconds at 25°C; <30 seconds at 35°C;

(5) stability ：

Under atmospheric pressure and constant temperature conditions, the weekly drift is <2%F·S.

(6) Dual-channel current output:

0/4 to 20mA (load resistance <750Ω);

20～4mA (load resistance <750Ω);

(7) Communication output: RS485 MODBUS RTU;

(8) Three sets of relay control contacts:

5A 250VAC，5A 30VDC；

(9) Power supply (optional):

85 ~ 265VAC ±10%,50 ±1Hz, power ≤3W;

9–36VDC, power consumption: ≤3W;

(10) Dimensions: 235*185*120mm;

(11) Installation method: Wall-mounted;

(12) Protection rating: IP65;

(13) Weight: 1.2 kg;

(14) Work environment:

Environmental temperature: -10 to 60°C;

Relative humidity: not exceeding 90%;

There is no strong magnetic field interference around except for the Earth's magnetic field.