



- The same interface displays dissolved oxygen, temperature, and state.
- It is password-protected to prevent unauthorized accidental operation.

Online dissolved oxygen meter

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

Instrument Features:

- LCD color liquid crystal display
- Smart Menu Operations
- Various automatic calibration functions
- Multiple signal output methods
- Two sets of relay control switches
- Manual or automatic temperature compensation
- Upper limit, lower limit, hysteresis control

technical parameter :

- (1) Measurement range (based on the electrode range):

Dissolved oxygen: 0–200 μg/L to 20.0 mg/L;
 temperature : -10 ~ 150.0°C;

- (2) Resolution:

Dissolved oxygen: 0.1 μg/L; 0.01 mg/L;
 temperature : 0.1°C;

- (3) Basic Error:

Dissolved oxygen: ±1% F.S.;
 temperature : ±0.3°C;

- (4) Electrode residual signal: <1‰;

- (5) Response time (90% final value):

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

- (6) stability :

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

- (7) Dual-channel current output:

0.4–20 mA (load resistance <750 Ω);
 20–4 mA (load resistance <750 Ω);

- (8) Communication output: RS485 MODBUS RTU;

- (9) Two sets of relay control contacts:

3A 250VAC, 3A 30VDC;

(10) Power supply (optional):

85–265 VAC $\pm 10\%$, 50 ± 1 Hz, power ≤ 3 W;

9–36 VDC, power: ≤ 3 W;

(11) Dimensions: 98×98×130 mm;

(12) Installation methods: panel-mounted or wall-mounted;

Panel opening dimensions: 92.5 × 92.5 mm;

(13) Protection rating: IP65;

(14) Weight: 0.6 kg;

(15) Work Environment:

Environmental temperature: -10 to 60°C;

Relative humidity: no more than 90%;

There are no strong magnetic field disturbances around it other than the Earth's magnetic field.