

**WMDO1001-FM** Industrial online Dissolved Oxygen Meter is our latest generation of microprocessor-based high-intelligence on line meter, with English display, menu operation, a high intelligent, multi-function, high measurement performance, environmental adaptability and other characteristics, used for continuous on line monitoring. It can be equipped with Polarographic Electrode and can automatically switch from ppb level to ppm level of wide-range measurement. This instrument is designed for monitoring the oxygen content in the boiler feed water, condensate water and sewage.

## Applications

Continuous monitoring of pH values in

- Boiler water and condensates
- Thermal power plants
- Power plant desalted water
- Places with trace oxygen
- Sewage



## Features

- Aluminum shell
- It has a complete English display and elegant interface: Liquid crystal display module with high resolution is adopted. All the data, status and operation prompts are displayed in English. There is no symbol or code that is defined by the manufacturer.
- Simple menu structure and text-type man-instrument interaction: it adopts classified menu structure, which is similar to that of a computer.
- It is clearer and more convenient. It is not necessary to remember the operation procedures and sequences.
- It can be operated according to the prompts on the screen without the guidance of an operation manual.
- Multi-parameter display: The oxygen concentration value, input current (or output current), temperature values, time and status can be displayed on the screen at the same time. The main display can show the oxygen concentration value in a 10 x 10mm size. As the main display is eye-catching, the displayed values can be seen from a long distance away.
- Six sub-displays can display such information as the input or output current, temperature, status, week, year, day, hour, minute and second, so as to adapt to different users' habits and to conform with different reference times set by the users..

## Technical Specification

Specification	
Measuring range	DO value 0~100.0µg/l ; 0~20.00mg/l (Auto switch) Temperature: 0~60 °C ; 0~150 °C (Optional)
Resolution	DO reading: 0.1µg/l ; 0.01mg/l Temperature: 0.1 °C
Intrinsic error	DO reading: µg/l±1.0% FS ; mg/l±0.5% FS Temperature: ±0.5 °C
Repeatability	±0.5% FS
Stability	±1.0% FS
Temperature compensation	0~60 °C (25 °C ref.)
Response time	<60s (98% 25 °C) <20s (98% 37 °C)
Clock Accuracy	±1 min/month
Output Current Error	≤1% FS
Current Output	0~10mA (load <15kΩ); 4~20mA (load <750Ω)
Communication interface	RS485, double power (optional)
Data storage capacity	1 month (1point/5mins)
Data saving under power failure	10 years
Alarm relay	AC 220V, 3A
Power supply	AC 220V±22V, 50 Hz±1Hz, 24V DC (optional)
Protection grade	IP54, Aluminium shell
Dimensions	Overall: 146 (l) x 146 (w) x 156 (d) mm Holes: 138 x 138 mm
Weight	1.5kg
Working conditions	Ambient temp: 0~60 °C Relative humidity: <85%