DO700Y Portable Microscopic Dissolved Oxygen Analyzer

Principle：

Based on the Clark electrode technology, it is specifically designed for measuring trace-level (ppb scale) oxygen concentration in water.

Product application：

Detection and analysis of low-concentration dissolved oxygen in water for power plants and waste heat boilers, as well as trace oxygen detection in ultra-pure water of semiconductor industry.

Characteristics and Benefits：

◆ High-precision and high-sensitivity sensor: Detection limit reaches 0.01 μg/L, resolution is 0.01 μg/L

◆ Quick response and measurement: From the oxygen concentration in the air to the level of μg/L, it can be measured within just 3 minutes.

◆ The simplest operation and calibration: Measurements can be taken immediately after turning on the device, without the need for long-term electrode polarization.

◆ The simplest operation and calibration: Measurements can be taken immediately after turning on the device. No need for long-term electrode polarization. Long-life electrode: The electrode has a long service life, reducing the cost of frequent electrode replacements.

◆ Long maintenance period and low-cost consumables: Electrodes require maintenance every 4-8 months for normal use, which is simple and convenient.

◆ Low power consumption and long operating time: Powered by dry batteries, the

continuous working time exceeds 1500 hours.

◆ High protection level and user-friendly design: Fully waterproof body; Magnetic attachment; Lightweight and convenient

Technical specification：

Range	0.01 μg/L~20.00mg/L
Resolution	0.01 μg/L
Zero error	＜0.50 μg/L
Response time	The response time of T90 is less than 15 seconds.
Temperature sensor	NTC thermistor, measurement accuracy 0.1℃
Compensation function	Automatic temperature compensation; manual setting of atmospheric pressure and salinity
Temperature range	0-50℃
Sample flow rate	150～500 mL/min
Power supply	Four sections, 7-volt alkaline batteries, capable of continuous operation for 1500 hours
Working environment	Temperature: 0 - 45℃; Relative humidity: no more than 90%
Protection level	IP67
Dimensions of the shape	Instrument: 164mm (length) × 75mm (width) × 17mm (thickness)
Weight	300g(Including instruments, probes and flow cells)