PCM300-S Online Automatic Sulfide Water Quality Monitor

Features



- Features a high-performance embedded all-in-one touchscreen for clearer display, smoother operation, and more stable performance;
- Precise quantification and stable data;
- Periodic self-test and liquid calibration functions;
- Automatic standard solution verification can be scheduled for any time;
- Low detection limit; the lower limit of quantification can reach 10 μg/L;
- Low operating costs, easy maintenance, and high stability;
- Features reagent expiration date management, remaining quantity monitoring, and alert functions;
- Features automatic detection and alarm functions for gas flow rate and pressure;
- Nitrogen purging provides a purifying effect, offering strong resistance to color and turbidity in water samples as well as ionic interference;
- Users can perform manual calibration and set automatic calibration to occur at any specified interval;
- Data is automatically saved in the event of a power outage;
- Instrument anomaly alarms (including fault alarms, out-of-range alarms, exceedance alarms, and low-reagent alarms);
- Automatically resets after an anomaly and resumes normal operation after a power outage;
- The instrument features three levels of management permissions.

Technical Specification

Measurement Method	Methylene Blue Spectrophotometric Method
Measurement Range	0.005-0.05mg/L；0.04-0.4mg/L；0.2-2mg/L (Expandable)
Accuracy	±10%
Repeatability	±5%
Zero Drift	±5%
Span Drift	±10%
Linearity	±10%
Measurement Time	50 Minutes
Measurement Mode	Time intervals can be set freely from 0 to 9999 minutes, or set to measure at the top of every hour (24-hour cycle); single measurement, reverse control measurement
Communication Port	RS-232; RS-485; RJ45
Analog Signal	4–20 mA
Control Signal	2 digital output channels, 2 digital input channels
Environmental Requirements	Recommended temperature: 5–40° C; humidity: ≤85% (non-condensing)
Power Supply	220 VAC ±10%, 50 Hz ±10%
Power Consumption	<150 W
Dimensions	600×450×1555 mm (L×W×H)