

Intelligent Online Chlorine Dioxide Analyzer

W761 with AS2 Sensor for Industrial Process Water



Equipped with a reliable, economical amperometric sensor for continuous measurement of free chlorine or chlorine dioxide in drinking water and process applications. With a durable PVC-U housing, it suits standard environments ($\leq 50^{\circ}\text{C}$) by balancing performance and value.

Its core potentiostatic three-electrode system ensures high accuracy and long-term signal stability, supporting effective disinfection control. Easy to integrate, it offers multiple electronic options: analog voltage, digital processing (analog/digital Modbus RTU), and 4-20 mA current loop.

It features automatic temperature compensation and enables indefinite dry storage (no electrolyte), simplifying inventory management. As a cost-effective, reliable choice, the W761-DAS2 excels in standard water treatment—from municipal drinking water to industrial process water—where extreme conditions are absent.

Application Fields

Disinfection control in municipal drinking water treatment plants.

Monitoring of chlorine levels in commercial and residential building water systems.

Process water treatment in various industrial settings (where temperature is $\leq 50^{\circ}\text{C}$).

Cooling water systems operating within standard temperature ranges.

Technical Parameters

Parameter	Specification
Measurands	Free Chlorine (AS2-CL), Chlorine Dioxide (AS2-CD)
Application Medium	Drinking Water, Process Water (up to 50°C)

Housing Material	PVC-U
Measuring Ranges (example)	CL (H): 0.005...2.000 ppm (without RV1)
Output Signals	Analog: 0...±2 V, 4...20 mA; Digital: Modbus RTU
Max. Working Pressure	8 bar (with retaining ring in flow chamber)
Operating Temperature	Water: 0...+50°C
pH Range	CL: pH 5 - pH 9
Response Time (T90)	≈ 30 seconds