

Multi-parameter water quality on-line analyzer

LL-WQX-100

Basic monitoring



Product Overview

The multi-parameter on-line analyzer provides real-time monitoring of water quality, measuring pH, ORP, residual chlorine, conductivity, TDS, salinity and temperature. Its space-saving wall-mounted design, intuitive touchscreen interface and cloud-based remote monitoring capabilities make it ideal for compact installations.

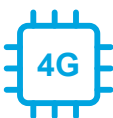
Product Features

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Monitoring of multiple parameters
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Defoaming and stabilizing flow tank
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Compact size
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Water Quality Platform
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4G module

Industry application

- ✓ Waterworks

✓ User terminals
- ✓ Secondary water supply

✓ Swimming pool water
- ✓ Pipe networks

✓ Other water treatment equipment

Technical indicators

Technical parameters	Detailed information
Parameters	pH, ORP, residual chlorine, conductivity, TDS, salinity and temperature
Measurement Methods	
Digital disinfectant sensor (CL / TC / ClO2 / O3)	Reagent-free, electrochemical, three-electrode amperometry system
pH / ORP	Electrochemical method (electrode method)
Electrical conductivity / TDS	Conductivity cell method (automatic temperature compensation)
Temperature	Thermistor method
Range	
Digital disinfectant sensor (CL / TC / ClO2 / O3)	20 mg/L
pH	0-14
ORP	±2000 mV
Conductivity	20,000 (conventional) μS/cm
TDS	10,000 (conventional) mg/L
Salinity	0-13 psu
Temperature	-5 to 60 °C
Accuracy	
Digital disinfectant sensor (CL / TC / ClO2 / O3)	±5% or ±0.05 mg/L (take the larger value)
pH	±0.1 (based on standard solution)
ORP	±20 mV (based on standard solution)
Conductivity / TDS / Salinity	1% F.S. (based on standard solution)
Temperature	±0.5 °C
Resolution	
Digital disinfectant sensor (CL / TC / ClO2 / O3)	0.001 mg/L
pH	0.01
ORP	±1 mV
Conductivity	1 μS/cm
TDS	1 mg/L
Salinity	0.01 psu
Temperature	0.1 °C
System Parameters	Detailed information
Installation method	Wall-mounted
Product size	470 × 580 × 185 mm (width, height and thickness)
Shell material	Plastic-coated galvanized sheet; 304 stainless steel optional
Display screen	7-inch color touchscreen
Working voltage	100-240 V AC, 50/60 Hz
Digital output	RS485 interface, Modbus protocol
Working temperature	-5 to 45 °C
Water sample flow rate	500-1000 mL/min (suggested: 700 mL/min)
Inlet water pressure	0.6 MPa
Water sample inlet joint	Ø6 mm quick plug
Water sample outlet joint	Ø20 mm (outer diameter) PVC pipe

Specifications updated from the supplied manufacturer datasheet on 19 October 2026; specifications may change. Device image is a Lexaloop branding visualization.