

# KANGZHUO TECHNOLOGY

A leading influential control systems manufacturer in China since 2009

**Water Treatment Integrated Equipment**

# CATALOG



# Water Treatment Integrated Equipment

## KZMC-2000 Multi-Parameter Compact Outdoor Monitoring Station

It is a small unattended fully automatic water quality monitoring cabinet deployed at sites including rivers, water bodies, urban matter plants, wastewater treatment plants, observation points, sewage treatment plants, water monitoring points, and regional water boundaries. Features

- Compact structure, small footprint, simple installation, and short construction period.
- The cabinet is equipped with an intelligent temperature control system to ensure a good operating environment: it has six protection functions: anti-rust, anti-dust, anti-dew, anti-freeze, anti-sun, and anti-heat, with strong environmental adaptability.
- Built-in complete small maintenance free water intake, with flexible selection with hand and automatic selection of monitoring equipment—either traditional and equipment or electrode optical method devices.
- Built-in GPRS wireless communication for two-way communication with the monitoring platform, supporting active data reporting and execution of corresponding operations per platform instructions



### Technical Specifications

- Ammonia Nitrogen: Measuring range 0.1–5 mg/L
- Temperature range -5–50 °C
- pH: Measuring range 2–12
- Conductivity: Measuring range 0–500 mS/m
- Turbidity: Measuring range 0–1000 NTU
- Dissolved Oxygen: Measuring Oxygen:
- Permanganate Index: Measuring range 0–20 mg/L
- Permanganate Index: Measuring range 0.5–20 mg/L
- Total Phosphorus: Measuring range 0.02–2 mg/L
- Total Nitrogen: Measuring range 0.1–10 mg/L

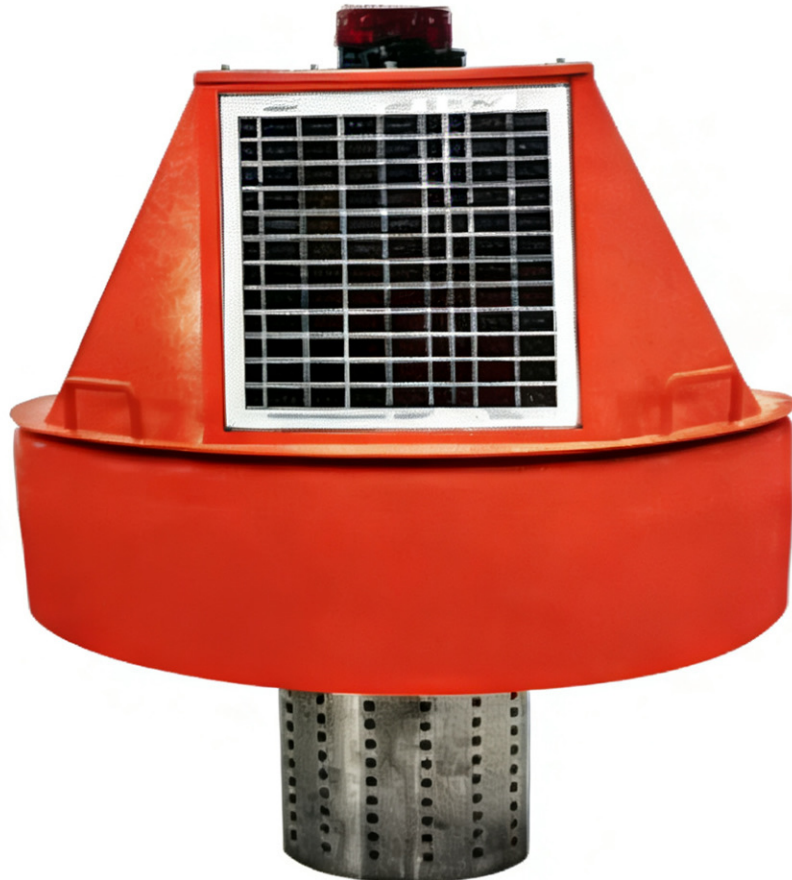


# Water Treatment Integrated Equipment

## KZFC-600 Environmental Water Quality Monitoring Buoy

KZFC-600 is a floating water quality monitoring device that enables real-time, multi-parameter monitoring (including dissolved oxygen, pH, etc.) and 1080P ultra-high-definition video surveillance. Powered by solar energy + lithium battery, it is applicable to water environments such as rivers, reservoirs, and aquaculture areas. • No need for laying cables, it allows rapid deployment for unmanned remote management and control.

- Features: Integrated Design: Floating body size: 700mmx300mm, weight: 40kg. Equipped with a water monitoring sensor and a 1080P ultra-high-definition camera for anti-interference cover for strong interference resistance.
- Long-Lasting Power: 12V/72W solar panel + 80AH lithium battery, supporting stable operation for 15 days. Features on rainy days.
- Features overcharge protection. Supports multi-stage stable operation for 355° rotation. No need for wiring cable. Multi-Functional Control: Supports remote switch and viewing, supported with solar energy indicator. Data Security: 4G TU wireless transmission with data storage, analysis, and Excel export. Telemetry, and Email alarm. It triggers an email alarm when data exceeds limits. • Flexible Adaptability: compatible with various sensors; supports Rs-485 (Modbus/RTU) protocol. Low power consumption of sensors: 0.2W per unit.



### Technical Specifications

- Communication: 4G DTU, Rs-485 (Modbus/RTU), supporting multi-platform data viewing (cloud platform / mobile APP)
- Power Consumption: Peak 10W
- Sensor Power Consumption: 0.2W per unit
- Power Supply: 12V80H lithium battery + 72W solar panel
- Flexible Adaptability: 1080P ultra-high-definition camera, 355° omnidirectional rotation, remote control for switch and viewing angle
- Operating Water Depth: 70cm
- Features: 4G DTU, 15 days
- 12V 80AH lithium battery + 72W solar panel
- Day Day Battery Life: ≥ 15 days
- Video Surveillance: 1080P ultra-high-definition
- Communication: compatible for various water environments

# Water Treatment Integrated Equipment

## KZ-200 Ultrasonic Level Meter

KZ-200 is an intelligent non-contact level transmitter for measuring the level of solids and liquids. It features automatic power adjustment, gain control, and temperature compensation. Adopting advanced detection and technologies, it improves measurement accuracy with echo-interference suppression to ensure authentic results. It is widely used for non-contact measurement of level. No contact with calculation technologies, it improves measurements of level measurement of various liquids and solid solids, as well as distance measurement.

- Features • Non-contact measurement: No contact with medium, avoiding pollution and corrosion, suitable for high-hygiene scenarios.
- High accuracy and stability: Measurement: Non-medium interference signal processing capability.
- Long lifespan and low maintenance: No moving mechanical parts, high reliability, low maintenance cost, with a service life of up to 10 years • Intelligent and remote monitoring: Supports 4-20mA or RS485 signal output CS systems for connection to DCS systems for remote monitoring: Suitable for acidic, alkaline for acidic, alkaline, salt, anti-corrosive, and high-temperature environments, such as tap water, sewage, petroleum, and chemical industries.



### Technical Specifications

- Technical Specifications • Measurement Accuracy: 0.5%-1.0%
- Resolution: 3mm or 0.1% (whichever is greater)
- Display: Chinese LCD display
- Display: LCD display
- Communication: Digital connections:
  - Optional RS485 or RS232
- Protection Class: Display unit IP66, probe IP68
- Display unit IP66, probe IP68
- Resolution : OD display
- Ambient Class: Display unit IP66, probe IP68
- Ambient Temperature: Display unit -20. probe -20~80°C
- Probe Installation: Depending on the measuring range and probe selection

# Contact

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