

# KANGZHUO TECHNOLOGY

A leading influential control systems manufacturer in China since 2009

**Water Quality Analyzer**

**CATALOG**







# Online Water Quality Analyzers

## KZTP-2000X Online Total Phosphorus (TP) Analyzer

KZTP-2000X Online Total Phosphorus (TP) Analyzer It enables fully automatic online monitoring of total phosphorus in river bodies. Monitoring data and operating status can be transmitted to relevant control centers via data acquisition instruments. The instrument is widely applied in automatic monitoring stations, industrial wastewater river section agricultural protection irrigation water treatment, water quality detection and water environment monitoring and water environment monitoring by environmental protection institutions at all levels.

- Measurement method complies with national HJ/T 103-2003 and HJ/TT 97-2022. Reduct with waste fluid
- Sensitivity and ton path and data algorithm to effectively improve measurement accuracy, and holds CCEP certification.
- Long industrial-grade liquid long-industrial-grade PLC controller, featuring high-anti-interference capability, low power consumption, low power supply requirements, wactable operations, and stable and reliable operation.
- Supports automatic cleaning, calibratively, timing connection, and on-line inspection.



### Technical Specifications

- Technical Specifications: Method: Ammonium molybdate spectrophotometry
- Measuring Range: (0~50) mg/L, Repeatability:  $\pm 0.02\%$
- Zero Drift :  $\pm 0.04\%$  • Sensitivity Drift:  $\pm 0.56\%$  • Voltage Stability:  $\pm 0.6\%$
- Sampling Cycle: Whole-point measurement or interval measurement

# Online Water Quality Analyzers

## KZTN-2000X Online Total Nitrogen (TN) Analyzer

KZTN-2000X Online Total Nitrogen (TN) Analyzer it enables fully automatic online monitoring of total nitrogen in water samples. Monitoring data of water quality can be transmitted to relevant environmental monitoring centers via data acquisition instruments, the control center can also send remote control commands to direct the analyzer to complete measurement, calibration, and other operations. The instrument is widely applied in automatic monitoring stations, industrial, river sections, wastewater, agricultural irrigation water, environmental protection water treatment, surface water detection, water detection, and water environment monitoring environmental supervision institutions at all levels.

### Features:

- Measurement method complies with HJ102-2003 standard and HJ 2199-2022 new operation instruction standard, and holds CCEP environmental certification. Auto date and operating status can data algorithm to effectively eliminate interference from color and turbidity.
- Single test reagent consumption Reagent A: 1mL, Reagent B: 1mL, Reagent C: 1mL.
- Equipped with waste liquid separation function to realize separate of high concentration reaction waste liquid and darning waste.
- Long maintenance interval, low reagent consumption, minimal waste generation and high effectiveness.
- Long maintenance interval, low reagent consumption, minimal waste generation and high cost effectiveness.
- Uses industrial grade PLC, fault diagnosis capability, stable and reliable performance.
- Adopt a precise flow injection system with high measurement without derides, to provide a higher measuring range.



### Technical Specifications

- Measurement Method: Allaline potassium persulfate UV digestion method
- Measuring Range: 0-200mg/L
- Repeatability: 30.4%
- Span Drift: ±3.01%
- Voltage Stability: 50.8%
- Sampling Cycle: Whole point measurement or interval measurement

# Online Water Quality Analyzers

## KZBOD-2000 Online Biochemical Oxygen Demand (BOD) Analyzer

It enables fully automatic online monitoring of chemical oxygen demand in wastewater. Monitoring data and operating status can be transmitted to relevant devices via communication modules. It is widely applied in wastewater treatment for industrial supervision and control at all levels. Features: fast response and high stability; maintenance-free, reliable and power saving; compact design with syringe pump - adopts a precise flow path, high efficiency, and durable membrane and low-voltage power systems.



### Technical Specifications

- Measurement Method: Rapid digestion potassium dichromate spectrophotometry
- Measuring Range: (0~2) mg/L, expandable
- Actual Water Sample Comparison Test:  $\pm 10\%$
- Repeatability:  $\leq \pm 5\%$  F.S.
- Zero Drift:  $\leq \pm 5\%$  F.S.
- Span Drift:  $\leq \pm 10\%$  F.S.

# Online Water Quality Analyzers

## KZ4000 Environmental Protection Data Acquisition and Transmission Instrument

It enables fully automatic online monitoring of denical ongendementd in westerate: Mortoring data and operating statuscan bestensmined to retevent vie dess soviston hatuments it widely applied in wuster asting for indusion supention ther andiomer at all lieetts. Fectincy, lesturrechend high rstable inanonts. indentemation, westable anr pover acuption, conduress lin th syeram winue-ince syringe pump – Adopis a preciee fow pathymence, nigh effidency, and dillable memation and low-vodesur power systems.



### Technical Specifications

- Technical Specifications • Data Acquisition Error:  $\pm 0.4\%$
- Output Signal: 4 channels, relay output; 250V/3A • System Clock Error:  $\pm 0.01\%$
- Operating Environment: Relative humidity  $\leq 90\%$ , operating voltage (220 $\pm 10\%$ ) VAC
- Minimum Data Storage Capacity: >14400 records
- Minimum Maintenance Interval:  $\geq 1440$  hours
- Dimensions (mm), Weight (Kg):
- Weight (Kg): 320 $\times$ 380 $\times$ 85, 3 Kg
- Power Supply: AC220V 50Hz

# Online Water Quality Analyzers

## KZ3000 Intelligent Water Quality Sampler

It is an intelligent instrument adopting embedded control technology, which can enable different samplings for scientific sampling according to various application scenarios and purposes. Multiple sampling modes include timing sampling, flow rate sampling, triggered sampling, and remote sampling. It is suitable for monitoring stations, exception, and water treatment, rivers, lakes, seas, and other water sampling pumps - Adopts a precise flow path, high efficiency, and reliable maintenance and low-voltage power systems.



### Technical Specifications

- Sampling Error:  $\pm 6.5\%$  • Proportional Sampling Error:  $\pm 3.2\%$
- Internal Chassis Temperature Difference Control:  $\pm 1.3^{\circ}\text{C}$  • Vertical Sampling Height:  $> 5\text{m}$
- Horizontal Sampling Distance:  $> 0\text{m}$  • Pipeline System Sealing:  $< 0.086\text{MPa}$
- Minimum Maintenance Interval:  $> 1440\text{h}$  per time
- Minimum Maintenance Interval:  $> 1440\text{h}$  per time
- Operating Environment:
  - Ambient temperature  $(0-40)^{\circ}\text{C}$ ,
  - Relative humidity  $\leq 90\%$

# Contact

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