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WDet-5000CN Cyanide Water Quality Online Analyzer

Product Overview

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Under weak acid condition, cyanide and chloramine T will generate chlorine hydride, and then reacts with isonicotinic acid to produce glutaconaldehyde through hydrolysis, at last creates purple-blue compound by the effect of barbituric acid. Within a certain concentration range, the chromaticity is in direct proportion to the mass concentration of cyanide.

by chromaticity, suspended solids and bubbles

- Special design of flow path and reagent proportion, high detection precision, low LLOQ (0.05mg/L)
- Adopt Constant Temperature Fiber Technology and Light Intensity Compensation Algorithm, small drift for long-term operation
- Small maintenance workload and low maintenance cost
- Self-diagnostic function
- Highly integrated valve terminal, each valve can be maintained, disassembled and cleaned individually
- Use USB flash disk for software updating and data exporting, more convenient
- Touch control of Android screen; modular design; backplane can work off-screen, and unaffected by misoperation
- Quality control function, equipped with parallel sample test, standard sample verification and standard sample recovery rate detection function
- Reverse control function: autostart the instrument via flow, pH and other methods
- Store data for 10 years; support simultaneous uploading of 2 different protocols



industrial process water monitoring, municipal sewage processing, surface water monitoring, and surface water monitoring, etc.

| Specifications

Measuring method: Isoniacin-barbituric Acid

Spectrometry

Range: 0.05~1/2/5mg/L

Indication error: $\pm 10\%$

Repeatability: $\leq 5\%$

Zero drift: $\pm 5\%F.S.$

Span drift: $\pm 5\%F.S.$

Reagent: standard reagent can make 400 samples

Ambient temperature: $5^{\circ}C \sim 45^{\circ}C$

Measurement interval: continuous, 1, 2, 3...24 hours, or
be started via serial port

Maintenance: <2 hours/month

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WDet-5000CN Cyanide Water Quality Online Analyzer



MDet-5000Mn Permanganate Index Water Quality Analyzer



MDet-5000X Series Colorimetric Method Heavy Metal Water Quality Online Analyzer



WDet-5000 Ammonia Nitrogen Water Quality Online Analyzer (Salicylic Acid Method)

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