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WDet-5000TOC Total Organic Carbon Water Quality Onlin...

Product Overview



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WDet-5000TOC Total Organic Carbon Water Quality Online Analyzer is a new kind of automatic TOC online analyzer. Based on our Injection Pump Metering Platform, it adopts High-temperature Catalytic Combustion Oxidation Method, combined with gas purification device and Non-Dispersive Infrared CO2 Absorption Technology to convert organics in the sample into CO2 for



- Use injection pump and ten-way rotary valve to extract sample quantitatively; high accuracy and less cross contamination between the reagents.
- Adopt new NDIR CO₂ detection technology, realizing high stability.
- Multiple modes: TC, IC, TOC, NPOC can be measured in the same reactor, switching as required.
- Direct switching between TOC and COD can be achieved simultaneously, realizing online measurement of COD in the sample.
- Multi-channel valve terminal of high integration, with simple and fast maintenance, disassembly, assembly and cleaning.
- Built-in check module, equipped with zero check and span check.
- Store data of ten years; support 2 different ways of protocols for uploading at the same time.
- Less space occupying, modular design of high integration, easy for maintenance and can be used for integration with water station system.

| Application



I Specifications

Measuring principle: Catalytic Combustion

Oxidation-NDIR Absorption Method

Range: 0~200mg/L (extensible)

Interfering substance: chloridion \leq 10000mg/L

Zero drift: \pm 3%F.S.

Span drift: \pm 3%F.S.

Linearity: \pm 5%

Repeatability: \pm 5%

Measuring time: 15min

Calibration: Support auto and manual calibration,
calibration period and time are settable

Maintenance: A single set of gas source and reagent
can measure 1200 samples

Working condition: Temperature: 5°C~40°C,
humidity<95%, non condensing

Measurement interval: Point measurement, interval
measurement, or be triggered via modbus

Signal input: 1x4~20mA (can be expanded to 2),
4xSwitch input

Signal output: 1x4~20mA (can be expanded to 2),
RS232/RS485, 4 multifunction relays



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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