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FT-3000 FTIR Gas Analyzer

Product Overview

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Based on Fourier Transform Infrared Spectroscopy (FTIR), FT-3000 Gas Analyzer can simultaneously monitor multiple gas components in exhaust gas, including SO₂, NO_X (NO, NO₂), CH₄, HCl, HF, CO, CO₂, O₂, H₂O, etc. Other gas components also can be extended as required, such as NH₃, SO₃, N₂O, etc. It owns



- Simultaneously measure multiple components, including SO₂, NO_X (NO, NO₂), CH₄, HCl, HF, CO, CO₂, O₂, H₂O, etc. Other components can be extended as required, such as NH₃, SO₃, N₂O, etc.
- Full-course high temperature tracing, prevent pollutant composition loss caused by condensation.
- Adopt White cavity design; high signal-to-noise ratio, measuring optical path can reach 13m, low detection .
- limit and large dynamic range; meet requirement of ultra-low emission monitoring.
- Employ PLS algorithm and select appropriate wavelength range, effectively eliminate H₂O interference .
- Surface of internal cavity is plated with gold; high reflectivity and less maintenance.

| Application

Applied in waste incineration power plant, ultra-low emission monitoring, solid waste treatment plant and ship exhaust emission, etc.

| Specifications

SO₂: 0~500mg/m³, NO: 0~300mg/m³.



CH₄: 0~100mg/m³, HF: 0~100mg/m³

HF: 0~80mg/m³, CO₂: 0~20%vol.

O₂: 0~25%vol.

Zero drift: ≤2%F.S./7d.

Span drift: ≤2%F.S./7d

Linearity error: ≤2%F.S.

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