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FT-2000P Portable FTIR Gas Analyzer

Product Overview

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Based on Fourier Transform Infrared Spectroscopy (FTIR), FT-2000P Portable FTIR Gas Analyzer can continuously monitor real-time concentration of multiple gas components in exhaust gas from industrial and mining enterprises, including SO₂, NO_X (NO, NO₂), CH₄, NH₃, HCl, HF, CO, CO₂, H₂O, etc. Other gas components also can be extended as required, such as SO₃ and N₂O, etc. The



| Features

- No need for preheating, fast measurement.
- Dividing into normal temperature type and high temperature type, meeting requirements of various working conditions.
- Equip with two kinds of pretreatment system to match with analyzer: condensate water removal or full-course high temperature.
- Optical path can reach 13m, with low detection limit and wide dynamic range, suitable for ultra-low emission monitoring.
- Employ Least Square Method (LSM) and PLS algorithm, select appropriate wavelength range, effectively eliminate H₂O interference.
- Fast sampling and analysis, simple operation.

| Application

Applied in emergency monitoring of sudden accidents, fugitive emission self-inspection of industrial and mining enterprises, environmental impact assessment and investigation on fugitive emission source of Environmental Protection Agency.

Range:SO₂: (0~75)mg/m³ ; NO: (0~200)mg/m³.

NO₂: (0~40)mg/m³; NO_X: (0~200)mg/m³.

CO: (0~75)mg/m³; H₂O: (0~40)%.

CH₄: (0~20)mg/m³; NH₃: (0~10)mg/m³.

HCl: (0~15)mg/m³; HF: (0~10)mg/m³。

CO₂: (0~20)mg/m³.

Pretreatment method: condensation & water removal/full-course high temperature (optional).

Zero drift: ≤2%F.S./24h.

Span drift: ≤2%F.S./24h.

Sampling flow: (1.5±0.5)L/min.

Response time: ≤90s (T₉₀).

Working temperature: 0~45°C.

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