

7 / Ambient Air NMHC Continuous Automatic Detection System

【PRODUCT DESCRIPTION】

TK-1200A Ambient Air NMHC Continuous Automatic Monitoring System consists of three subsystems for pollutant detection, meteorological parameter monitoring, control and data acquisition.

It monitors NMHC, methane, expandable benzene series and meteorological parameters in real time, and generates daily, monthly and annual emission reports. Data can be uploaded via wired or wireless means.

Suitable for environmental monitoring in coal, petroleum, steel, chemical, textile, waste incineration and other industrial sites.



【PRODUCT FEATURES】

- Complies with requirements of China National Environmental Monitoring Centre Document Qizi [2021] 61.
- EPC controls flow of carrier gas, zero gas and hydrogen with high precision and repeatability.
- Adopts cold trap and intelligent purging, adjustable enrichment ratio for lossless adsorption of C2-C12 components.
- Built-in self-diagnosis function for automatic fault detection and recording.
- Standard and outdoor compact cabinets optional for diverse applications.

【TECHNICAL PARAMETERS】

Item	Specification Index
Measurement Principle	Cold Trap Enrichment + GC-FID (Direct Measurement Method)
Measuring Range	NMHC: 0-5ppm; CH4: 0-5ppm
20%/80% Range Drift	≤±2% F.S.
Linearity Error	≤±1% F.S.
Detection Limit	< 25ppb
Repeatability	≤5%
Output Interface	2-channel RS232 interfaces, 1-channel RS485 interface, expandable
Cabinet Dimensions	615W × 755D × 1900H (mm)
Power Requirement	AC220V, 50Hz
Power Consumption	> 2KW
Operating Gas Source	Oil-free and water-free compressed air, 0.6~0.8MPa
Operating Environment	Operating Temperature: 15~30°C; Relative Humidity ≤60%