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Nutech 6000-C NMHC Online Analyzer

The Nutech 6000-C NMHC Online Analyzer is designed for online monitoring of methane/non-methane total hydrocarbons in ambient air and industrial plant perimeters. It continuously takes air samples, analyzes, and reports TVOC in a short time. It can be integrated into an air quality or environmental data system and give instant air quality results.

Features of 6000-C NMHC Online Analyzer

1. The low temperature preconcentration technology increases the air sampling volume to 500-1000mL, lowers the detection limit of NMHC to sub-ppb level (ordinary FID responds to 1 ppm of air VOC), and meets the detection requirements of low or ultra-low concentration air VOC.

2. The 6000-C effectively removes the water in samples and separates non-methane total hydrocarbons and methane by using composite adsorption filters, based on Tenax adsorbent and appropriate flow control. The treated sample can then be directly analyzed by FID. The test results have better quality than those of general gas chromatography and catalytic oxidation subtraction methods.
3. With FID detector, it has good response, wide linear range, and automatic real-time self-test function.
4. Uses an MFC to accurately control the flow rate, ensuring the accuracy of test results.
5. PC control, real-time data acquisition and transmission, automatic recording, storage, and support of QA/QC reports. With historical data (including atlas) query function, the system can automatically save and restore data if the power is cut off unexpectedly.

Technical Data of Nutech 6000-C NMHC Online Analyzer

Test Method	FID
Measurement Range	0.1 ppb to ppm level
Analysis Time	<15min
Accuracy	±10%
Precision	RSD<5%
Gas	Ultrapure N ₂ , H ₂ or Air
Voltage	110V/60Hz or 220V/50Hz±10%
Operating Environment	Temperature:10°C~40°C; Humidity: 20-90%RH
Maximum Power	1kW

Schematic Diagram of Nutech 6000-C NMHC Online Analyzer

