



## Nutech 7000 NMHC Analyzer

The Nutech 7000 NMHC Analyzer is applicable to laboratory analysis of methane and non-methane total hydrocarbons in ambient air or an industrial plant perimeter (sampled in Summa canisters).

### Features of Nutech 7000 NMHC Analyzer

1. The low-temperature preconcentration technology allows for an air sampling volume of 500-1000mL, which reduces the detection limit of NMHC to sub-ppb level (ordinary FID responds to 1 ppm of air organicmatter).

Detection requirements of low concentration or ultra-low concentration VOC in the ambient air can be readily achieved.

2. The 7000 can effectively remove water and separate non-methane total hydrocarbons and methane by using composite adsorption filter based on Tenax adsorbent and appropriate flow control.

Once analyzed by FID detector, the test results are of higher quality than those of general gas chromatography and catalytic oxidation subtraction method.

### Technical Data of Nutech 7000 NMHC Analyzer

Test Method	FID
Measurement Range	0.5 ppb to ppm level



3. Special FID detector with good response, wide linear range and automatic real-time self check function.

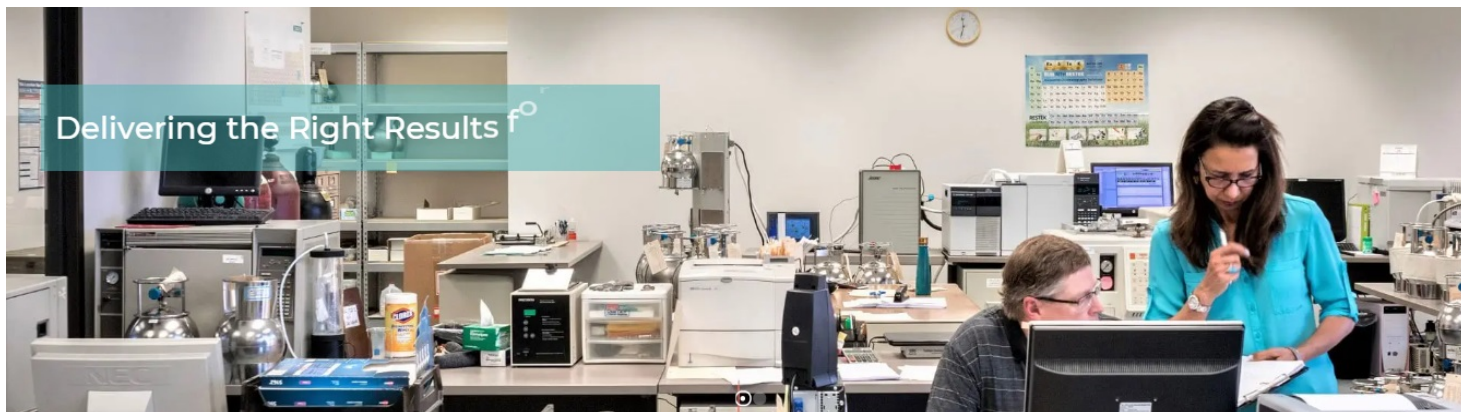
4. The 7000 can seamlessly connect with different specifications (1 / 3 / 6 / 15L Summa canisters). It can expand the sample inlet or select an automatic sampler to obtain automatic and continuous sample analysis of multiple samples with good responses.

5. High precision MFC is used to accurately control flow volume and velocity, ensuring the reliability of test results.

6. Simple operation, avoiding manual operations such as syringe injection and other possible errors. Reduces labor intensity of the analyst, improves work efficiency and ensures the accuracy and precision of the data results.

7. PC control, real-time data acquisition and transmission, automatic recording, storage, and support QA/QC report. With historical data (including atlas) query function, the system can automatically save and restore data if the power is cut off unexpectedly.

Analysis Time	<15min
Accuracy	±10%
Precision	RSD<5%
Gas	Ultrapure N
Maximum Power	1000W
Voltage	110V/60Hz or 220V/50Hz
Operating Environment	Temperature



Delivering the Right Results f<sup>o</sup>

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- > Nutech Projects & Cases
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- > VOCs Related Standards & Methods
- > Technical Articles \*
- > Air Lab Sample Prep Products
- > Air/Gas Sampling Products
- > Online VOCs Analysis Products
- > Portable VOCs Analysis Products
- > Accessories & Consumables

- \* > Application Note by Using Nutech Preconcentrator System for TX 85 Target Compounds in Lab Analysis
- > Not all 3.2 L air sampling canisters are 3 liters. Wait... what!?
- > Application Note by Using Nutech Preconcentrator System for PAMS Compounds in Lab Analysis
- \* > Nutech Instruments Presents New Products on Guangzhou IE Expo 2019
- \* > Nutech Perfect First Show in IE Expo China 2019

\* in Chinese

- Air Lab Sample Prep Products**
- 8910 Preconcentrator
  - 3610 Autosampler
  - 2104 Canister Cleaning System
  - 2203 Precision Static Dilutor
  - 7000 NMHC Analyzer
- Air/Gas Sampling Products**
- 2703 Automatic Air Sampling Device
  - 2600ST Multifunctional Automatic Air Sampling System
  - 2600GT Carry-on Automatic Multifunctional Sampling System

- Online VOCs Analysis Products**
- 6000-C NMHC Online Analyzer
  - 6000-5D VOCs Online Analyzer
  - PCGC-TOF VOCs Online Analysis System
  - N20 TVOC Online Analyzer
  - 7000 NMHC Analyzer
- Portable VOCs Analysis Products**
- 3000 Portable NMHC Analyzer
- Accessories & Consumables**
- SUMMA Sampling Canister & Standard Gas & Tedlar Bag

## Nutech's Product Lines

We offer the most comprehensive VOCs analysis products on the market.

### Air Lab Products



### Air / Gas Sampling Products



### Online VOCs Analysis Products



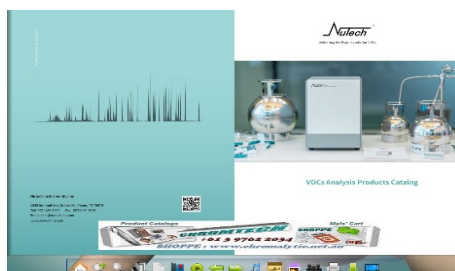
### Portable VOCs Analysis Products



### Accessories & Consumables



Chromtech's FlipPAGE HTML Quick Overview Nutech 2020 Catalog (18p)



\* **US EPA METHOD TO-15A ( Sept 2019 )**  
 Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially Prepared Canisters and Analyzed by Gas Chromatography–Mass Spectrometry (GC-MS)

