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Nutech 3000 Portable NMHC Analyzer

The Nutech 3000 NMHC (Non-Methane Hydrocarbon) Analyzer is suitable for portable monitoring of TVOC (Total Volatile Organic Compounds), CH₄ (Methane) and NMHC in exhaust gas of industrial facilities.

Features of Nutech 3000 NMHC Analyzer

1. Highly Integrated and Portable

- Miniaturized or lightweight components such as miniature hydrogen bottle are used, with the total weight less than 26lb (including catalytic module).
- It is equipped with a backpack and a handle, which can be easily transported and put into use.



2. Easy to Use

Large capacity battery (45ah) lasts for up to 6 hours without recharging;
 Embedded iPadLarge capacity battery Wi-Fi communication, and a user-friendly interface.
 Users can control the instrument within 33ft of the site through the preset software iPad.
 Data results can also be downloaded and read at a later date.

3. High test efficiency

The preheating time of the system is less than 5 min.
 The new catalyst is used with high conversion efficiency ($\geq 95\%$), fast gas path cleaning speed, which supports continuous and uninterrupted measurement.
 Double FID and automatic flow path, with analysis time < 2 min.

4. Controllable process and accurate results

Minimal loss of samples under high temperature (tracing over 120°C) and humidity.
 The sampling tube is resistant to high temperature and corrosion, and contains filtering device to effectively filter particles and avoid sample pollution and adsorption.
 The high-precision EPC and FID detectors independently developed are used to control the flow accurately.

5. Powerful Data Processing Functions

Data file automatic recording and storage, historical data query, reprocessing and printing functions; display and time label functions; data report functions.

6. Expandability

The user can adapt the heat tracing pipeline as required.
 The standard gas cylinder and hydrogen gas cylinder can be reused, and the consumables such as activated carbon purification pipe and ignition wire in FID can be replaced.

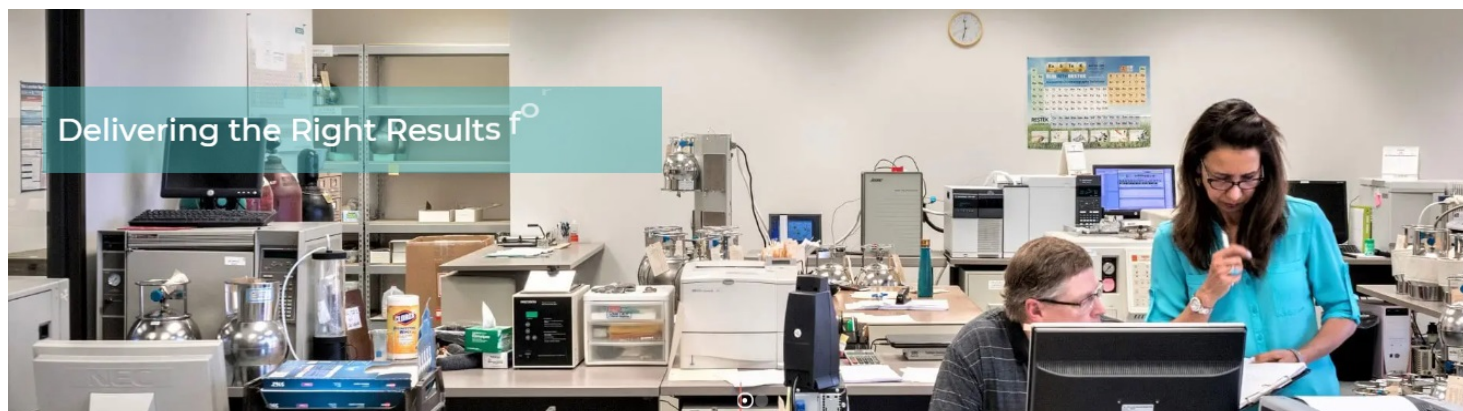
Technica Data of Nutech 3000 NMHC Analyzer

Test Method	Catalytic Oxidation + FID
Measurement Range	0.1 ppb to 10000 ppm





Detection Limit	$\leq 0.07 \text{ mg/m}^3$
Conversion Efficiency	$\geq 95\%$
RSD	$\leq 2\%$ (CH ₄)
Accuracy	$\pm 0.2\%$
Linear Error	$\pm 2\%$ (CH ₄)
Recovery Rate of Standard Addition	$\pm 20\%$
Analysis Time	$< 0.5 \text{ min}$
Operating Environment	DC24V or AC (220 $\pm 10\%$) V/(50 $\pm 2\%$) Hz, -20°C~50°C, <95%RH Operating Range



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* 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



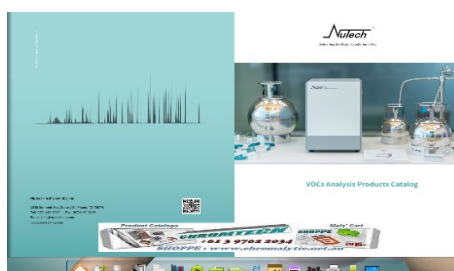
Portable VOCs Analysis Products



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)



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