

EXPEC 3200-200 Portable Total Hydrocarbon, Methane and Non-Methane Total Hydrocarbon Analyzer

Overview

EXPEC 3200-200 portable total hydrocarbon, methane and non-methane total hydrocarbon measuring instrument adopts high temperature catalytic oxidation + FID detection technology. It can effectively avoid the loss of samples with high boiling point and high concentration, and realize the accurate measurement of total hydrocarbons, methane and non-methane total hydrocarbons in waste gas from fixed pollution sources and fugitive emissions. The detection limit can reach ppb level, and the product is completely in line with non-methane total hydrocarbon The on-site monitoring method standard meets the index requirements in the "Technical Requirements and Detection Methods for Portable Monitors for Total Hydrocarbons, Methane and Non-methane Total Hydrocarbons in Ambient Air and Exhaust Gas" (HJ 1012-2018).



Advantage

➤ Highly integrated, extremely portable

- The weight of the host (including gas cylinder and battery) is less than 6.5 kg, which is only the weight of similar products 33%~70% of the volume.
- Integrated industrial design, can be carried on one or two shoulders, and a single person can complete the detection task.

➤ Excellent battery life, worry-free gas and electricity

- Gas supply: Built-in zero-level air generator module, no need for external carrier gas and auxiliary gas; Supports hydrogen storage alloy or steel cylinders, and can be safely inflated with a hydrogen generator.
- Power supply: Support AC220 V or hot engine to replace the battery, the battery life is greater than 20h.



9.3 to 20 kg

Same type

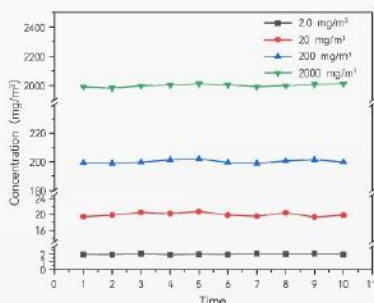
6.5 kg

EXPEC 3200-200



➤ High temperature heat tracing, reduce loss

- The whole process of high temperature heating sample transmission and high temperature FID detection can effectively avoid high boiling point, high concentration sample loss.



➤ Second-level analysis, one-click completion

- Second-level analysis, real-time sampling, fast and accurate feedback of working conditions.
- One-click wizard operation



Application



- Environmental inspection and enforcement of organized and unorganized emissions of non-methane total hydrocarbons
- Organized and unorganized emissions of non-methane total hydrocarbon pollutants self-examination
- Comparison and acceptance of non-methane total hydrocarbon online monitoring system
- VOCs lake source investigation
- Efficacy Evaluation of VOCs Treatment Facilities
- Other application scenarios involving non-methane total hydrocarbon monitoring

Specification

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| <ul style="list-style-type: none"> ● Detect factor: Total hydrocarbons, methane and non-methane total hydrocarbons | <ul style="list-style-type: none"> ● Principle: High temperature catalytic oxidation +FID detection technology |
| <ul style="list-style-type: none"> ● Analysis period: 1~120 s can be set | <ul style="list-style-type: none"> ● Ambient temperature: -20 ~ 50 °C |
| <ul style="list-style-type: none"> ● Measurement range: (0-20/200/customizable) mg/m³ | <ul style="list-style-type: none"> ● Weight: The whole machine (including battery and cylinder) is less than 6.5 kg |
| <ul style="list-style-type: none"> ● Detection limit: ≤0.07 mg/m³ (by carbon) | <ul style="list-style-type: none"> ● Power supply: AC220 V/DC24 V |
| <ul style="list-style-type: none"> ● Sample blank: < detection limit | <ul style="list-style-type: none"> ● Battery: Battery can be changeable, using >20hrs |
| <ul style="list-style-type: none"> ● Quantitative repeatability: <1% | <ul style="list-style-type: none"> ● Linearity error: < 2%±FS |
| <ul style="list-style-type: none"> ● Hydrogen: Standard solid hydrogen storage alloy, optional cylinder gas, battery life > 20hrs | <ul style="list-style-type: none"> ● FID gas-supporting: High temperature catalytic oxidation + physical adsorption to remove hydrocarbons |

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