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GCOM-5000 Portable NMHC Analyzer

Product Overview

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GCOM-5000 Portable NMHC Analyzer mainly consists of two parts: sampling probe and analyzer host. Sampling probe is divided into high-temperature type and normal-temperature type, respectively applied in in-situ sampling for gases in high-temperature flue and selective sampling for ambient air under normal temperature. The product employs special dual-support



Applied in working condition inspection of stationary pollution source VOCs, comparison & acceptance of online instrument, leak detection of organic gases, etc.

| Features

- System is compact and reliable with high integration design
- With control of MFC, flow in gas path is stable
- Metal hydride cylinder provides hydrogen in low pressure, safe and reliable
- With Built-in gas cylinder and air pump (auxiliary air supply), small consumption
- Adopt principle of NMHC backblow & direct measurement, completing measurement in 2 minutes
- With built-in sampling pump and high-temperature tracing in the whole process of sample collection, without condensation
- Equipped with integrated sampling probe (display temperature); feeler lever is easy for replacement and adjustment

| Applications

Applied in various fields including petrochemical engineering, organic chemicals, surface spraying, printing &

| Specifications

Detection index: non-methane hydrocarbon

Range: 0~300 (mg/m³)

Detector: flame ionization detector (FID)

Chromatographic column: dual-support packed column

Detection limit: $\leq 1.49 \mu\text{mol/mol}$ (0.8 mg/m³, measured
in carbon)

Repeatability: $\text{RSD} \leq 2.0\%$

Linearity error : $\leq 2.0\%$

Analysis period: $\leq 2\text{min}$

Service time of gas cylinder: 5h~8h of continuous use

Working temperature: host: 80~200°C, probe: 150°C,
tracing pipe: 150°C

Sampling: Two stage filtering (5 μm , 0.5 μm)

Power: 220V, 400W (host), 220V, 200W (high-temp
probe)

Host dimension: 510mm(W)x420mm(D)x215mm(H)

Weight: 14.5kg (not include probe)

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GCOM-3010 Ambient Air NMHC Online Analyzer

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