

ZR-7221 Portable H-FID THC Analyzer



THC

O₂ (Optional)

NMHC (Optional)

Features

- Measure range: 0-10,000ppm.
- Weight <7kg, packed in suitcase, easy to carry.
- Can work normally under low oxygen concentration.
- Rechargeable battery, working time>4 hours.
- Data storage capacity>10,000 group.
- The preheating time of the system is less than 15 min.
- The concentration can be automatically calibrated, and the range can be automatically switched.
- Test data can be exported in Excel file and printed by Bluetooth printer.
- Data file automatic recording and storage, historical data query, reprocessing and printing functions.
- Full process heat tracing to avoid condensation loss of high temperature and high samples, temperature up to 180°C, with no freezing point.

Reference standards

- EPA method 25
- EN 12619
- EN 13526

Introduction

ZR-7221 is a Portable On-site FID Analyzer to measure THC (Total Hydrocarbons) from Stack Emissions. The miniaturization of the flame ionization detector (FID) and volumetric sampling system results in a outstanding energy savings and thus allows the use of built-in rechargeable batteries. It also ensures the highest accuracy and repeatability of sequences of analysis. It is widely used in organic chemical factories, surface coating industry, printing and dyeing industry, furniture manufacturing industry, automobile manufacturing industry, pharmaceutical industry and other industries.

Applications



Specifications

Parameters	Range	
Max temperature Sample Inlet	180°C	
Measurement Range	0-10,000 ppm	
Detection Limit	≤0.13 ppm (0.07mg/m ³ Calculated by carbon)	
Linearity	≤±2.0% FS	
RSD	≤2.0% (CH ₄)	
Recovery rates of Standard Addition	80%-120%	
Response time	15S	
Parallelism	≤5.0%	
Data Storage	10,000 groups	
Battery	25.9V/19.2 (can work for at least 3h on full charge)	
Gas support	≤7kg	
Weight	Host	6.8 kg
	Host + Gas cylinder	7.5 kg
	Host + Gas cylinder + Battery	10.7 kg
Dimension	(H350xL240xW124) mm	
Consumption	≤400W	
Operating Environment	DC24V or AC(220±10%)V/(50±2%) Hz -15°C-45°C, <95%RH	

Packing List

