

FID 3000 THC Analyzer

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Overview

THC Analyzer is a portable analyzer that can detect almost all organic and inorganic compounds. Identify various pipeline and valve components, discharge ports and sealing systems quickly, helping users leakage detection and repair points.

It is flame ionization detector (FID) designed to perform **US method 21**, **SOR/2020-231**, **EN 15446** inspections, HAZMAT, Emergency Response and many other types of total hydrocarbon(VOC) detection.

Application >>



Gas leakage from refineries and chemical factory



Petroleum and petrochemical industry



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Features

WIDE RANGE & FAST RESPONSE



- ✓ FID sensor wide range: 1-50000ppm
- ✓ Fast response time<3.5s
- ✓ Dual FID/PID technology, O₂ sensor are also acceptable.

STABILITY OF FID FLAMES



Bypass design. When O₂ is below 16%, don't worry about FID flames will flame down.

EXTERNAL Bluetooth CONTROL



- ✓ FID 3000 includes powerful datalogging software that can be used to create electronic records of inspections.
- ✓ Users can check data in Mobile phone from LDAR Software or print real-time data by bluetooth printer.

CONTROL OF HYDROGEN



- ✓ Built in a solid hydrogen cylinder.
- ✓ Explosion protected and easy to replaceable.



PORTABILITY & BATTERY

Built in explosion-proof battery with a long service life.

Portable, smaller, exquisite appearance. FID 3000 is more friendly and easier for the users.



EXPLOSION-PROOF QUALIFIED



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Specifications



Parameter	Range	Accuracy
Linear	FID 1-50000ppm of methane	±10% of reading or ±1.0 ppm, whichever is greater, from 1.0 to 10,000 ppm.
	O ₂ 0~30%	±5%
Repeatability	±2% at 500 ppm of methane	
Detection limit	0.5 ppm of methane	
Response time	Less than 3.5 seconds for 90% of final value, using 10000 ppm of methane	
Flowrate	1.2L/min ±10%	
Battery	Operating time more than 10 hours at 0 °C.	
	Fully charged in less than 10 hours.	
Hydrogen supply operating time	10 hours of continuous operation, starting from a cylinder charged up to 15.3 MPa (2200 psi)	
Data Storage	1 per second to 999 minutes	Data storage interval: every 15s
Host Size	H280 x L220 x W90 mm	
Host Weight	FID only: about 3kg	
Working Condition	(-10~+45) °C, (15 ~ 95) %RH	

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Accessory



HOST

Probe

Gas filled components

Glass rotor flow meter

Backpack

Air bag

OTG data cable

VOC filtration membrane

Suitcase

