

EN-9000 便携式烟气分析仪

EN-9000 PORTABLE COMBUSTION ANALYZER



OVERVIEW

M-9000 Combustion Analyzer is a type of new-generation flue (stack) gas analyzer, which is small, light, portable and is specially used to quickly and simultaneously measure many components of combustion in flue gas, including flue gas temperature(T), oxygen(O₂), carbon monoxide(CO), sulphur dioxide(SO₂), nitric oxide(NO), nitrogen dioxide(NO₂), micro-pressure (ΔP) etc. And also it can automatically calculate CO₂, NO_x content, flue excess air and losses(α), combustion efficiency (η). With RS232 communication interface, it can be connected to computer to realize bi-directional communication.

FEATURES

- ◆ Long-life, maintenance-free, high-accurate electro-chemical gas sensors
- ◆ With a strong suction pump inside case, pressure/draft above 1000mmH₂O
- ◆ Measures flue gas and inlet temperatures simultaneously.
- ◆ Big LCD display, English or Chinese menu, with automatic diagnosis working status
- ◆ Automatic memory measured data , with 250 groups of the measured data
- ◆ Built-in printer ,can print out the measured data or previous stored data
- ◆ Built-in rechargeable battery, about 4 hours of continuous use on a single charge
- ◆ With upper or lower limit alarm message display on LCD
- ◆ With RS232 interface for measured data communication

SPECIFICATIONS

Index	Range	Resolution	Accuracy	Measuring principle
Flue Temperature (T)	0-600°C	0.1°C	±1%FS	Thermocouple (type K)
Oxygen (O ₂)	0-25%	0.01%	±0.1%O ₂	Electrochemistry
Carbon monoxide (CO)	0-4000ppm	1ppm	±5% FS	Electrochemistry
Nitric oxide (NO)	0-1000ppm	1ppm	±5%FS	Electrochemistry
Nitrogen dioxide (NO ₂)	0-500ppm	1ppm	±5%FS	Electrochemistry
Sulphur dioxide (SO ₂)	0-5000ppm	1ppm	±5%FS	Electrochemistry
Micro-pressure (ΔP)	0-6000Pa	1Pa	±1%FS	Diffusion silicon
Nitrogen oxide(NO _x)	0-1500ppm	1ppm	±5%FS	Calculated
Carbon dioxide (CO ₂)	0-20%	0.1%	±0.1%CO ₂	Calculated
excess air and losses(α)	1-20	0.01	±1%	Calculated

- ◆ Measurement parameters above can be chosen
- ◆ Sampling probe: Stainless steel shaftΦ8×400mm with 5 meters neoprene hose, Φ8×1000mm