

MULTIGAS ANALYSER MG3000



- Monitoring of the industrial production process.
- Monitoring heat treatment atmospheres
- Control of the efficiency of industrial combustion.
- Monitoring of the desulfurization process.
- Industrial furnaces, Galvanizing line, cement works.
- Measures in environmental laboratories.



Infrared Multigas Analyser

Type: MG3000PLUS

Up to 5 Gas for continuous measurement
(NO, SO₂, CO, CO₂,CH₄..... and O₂)

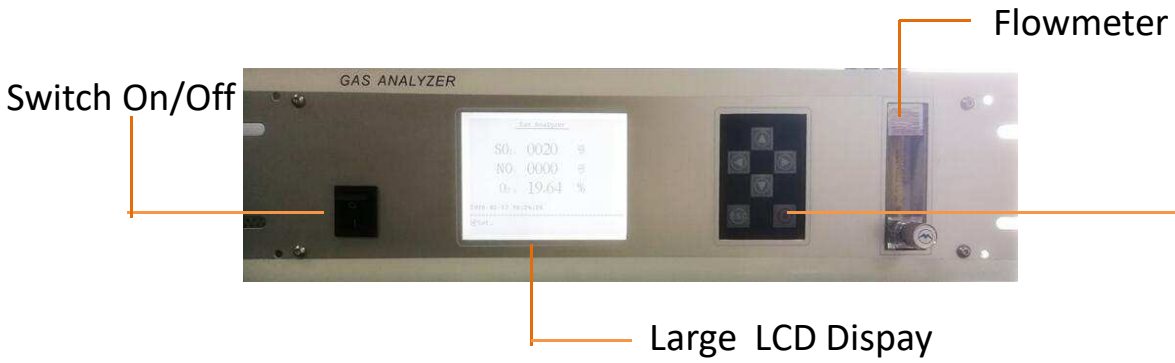


International
Application No.:
PCT/CN2018100767

- Simultaneous measurement on line of 5 gas concentration by infrared /ECC/TCD
- * Great Stability.
- * Compact and easy to use.
- * Compensated in temperature and pressure

Compact with many features

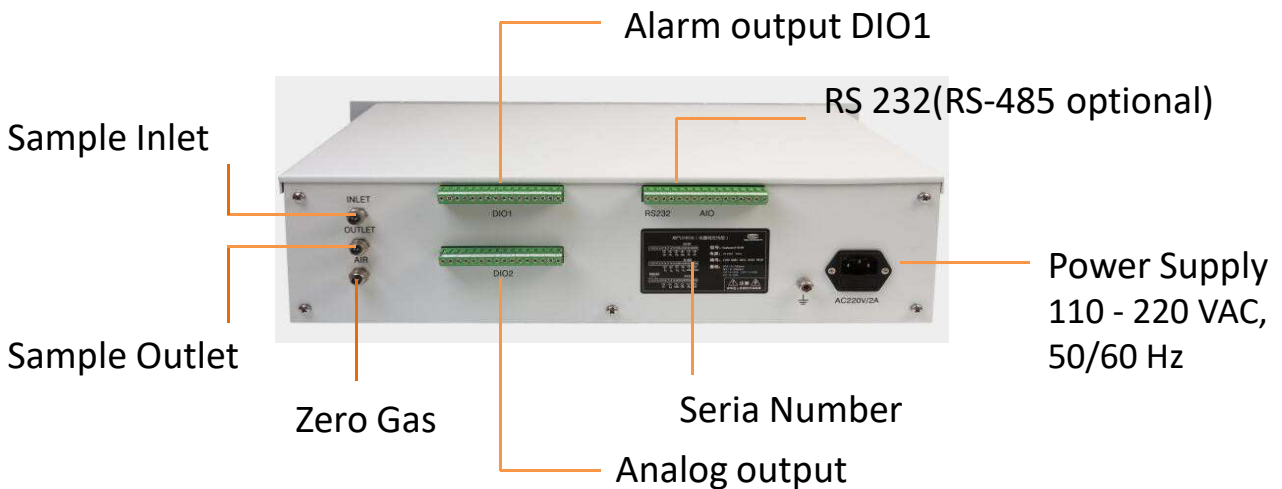
Front Panel



Easy menu access by front Keypad

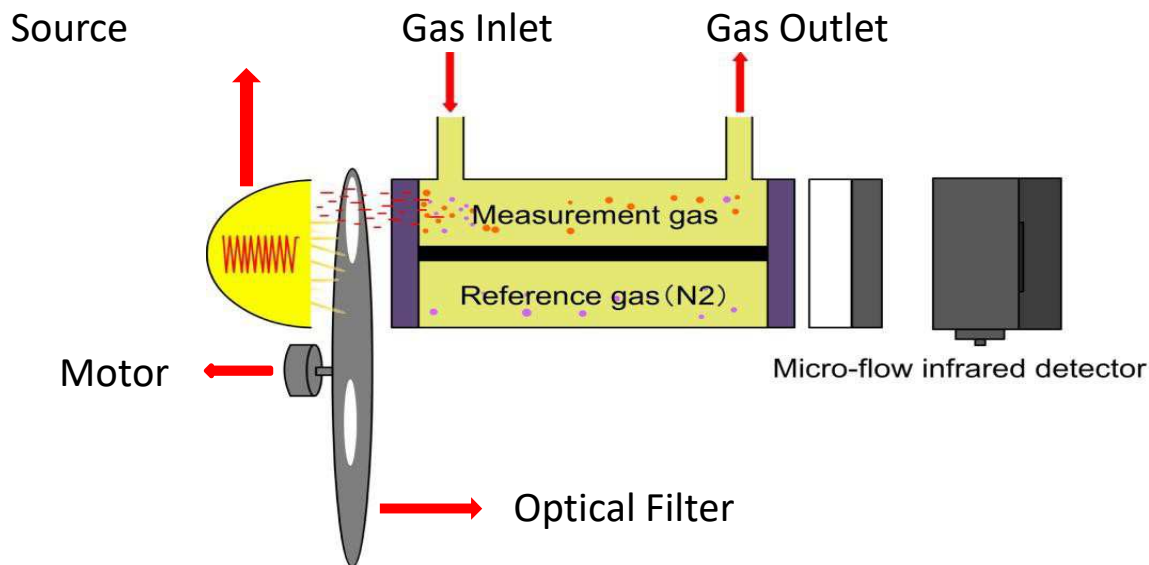


Back Panel



Non Dispersive Dual Beam Infrared Technology

Infrared principle



International Standard No. : PCT / CN2018100767 (Standard method for measuring emission gas concentration).

The principle is based on a dual beam gas cell structure, one of the gas cells is purged by the gas to be measured, another part of the gas cell is filled with reference gas, then the infrared sensor emits the signal change, comparison between the measured gas variation and the reference gas signal to obtain the precise measurement result.

Temperature and pressure compensated, the analyzer is virtually insensitive to the influence of the external environment, such as temperature and voltage fluctuations, while ensuring excellent long-term stability, easy maintenance and high accuracy

- 19 " 3U Standard Industrial Enclosure Design, Easy to Integrate with Different Types of Gas Monitoring Systems With an LCD screen to indicate all data indexes and an easy-to-use touch keyboard.
- Built-in RS232 or RS485 (optional) digital output and 4-20mA analog output, easy to acquire through the project center control system and meet the demand for continuous monitoring.
- Equipped with a sample gas flowmeter and a needle valve to regulate the input gas flow and an internal gas filter to protect the gas sensor from impurities.
- With constant temperature enclosure for NDIR sensors to prevent influence by temperature fluctuation and improve measurement accuracy. Selfzero and auto span auto function ensuring accurate and stable measurement Easy maintenance thanks to the sensor, the unit of measurement is simple and does not require any optical adjustment.

Specifications MG3000PLUS

Different technologies	CH ₄ ,SO ₂ , NO, CO, CO ₂ : NDIR-Dual Beam Infrared non dispersive		
	O ₂ : Electrochemical (optional)/TCD for H ₂		
Example of configuration and measuring ranges	Example of measuring gas	Minimum Range	Maximum Range
	CO ₂	0-200ppm	0-100%
	NO	0-200ppm	0-100%
	CO	0-200ppm	0-100%
	SO ₂	0-200ppm	0-500ppm
	O ₂	0-5%	0-25%
Ranges and configuration can be different on application requirements.			
Accuracy	SO ₂ , NO, CO, CO ₂ : 1% FS (depend on application)		
	O ₂ : 2% FS		
Repeatability	1% FS		
Response Time(T90)	15s (90% response from gas inlet)		
Flowmeter	Integrated		
Temperature of use	-5°C à 45°C		
Relative Humidity	≤ 95% non condensing		
Material	Steel Cabinet		
Configuration	19" rack, Wall mount or Bench top		
Power Supply	110 to 220 VAC, 50/60 Hz		
Dimensions	485*457*132 mm (L*W*H)		
Weight	Approximatively 12kgs		
Depend on configuration			
Flow	0.7-1.2 L/min		
Temperature	0-50 °C		
Pressure	2-50 kPa		
Particules	1µm or Smaller		

Since 1952, Gruter & Marchand has been developing and marketing leading products for process control in the fields of gas analysis (humidity, oxygen, etc.).

With thirty years of experience in industrial analysis, G & M offers:

- a choice of powerful gas analyzers for humidity, oxygen, CO / CO₂ ... for applications as diverse and varied as gas manufacturers, nuclear power plants, aerospace, automotive, pharmaceutical and food industries , microelectronics and petrochemicals ...
- a team of specialists oriented towards the needs of the users and the industrial imperatives
- a laboratory providing after-sales service and calibration of equipment in accordance with the quality rules.

GRUTER & MARCHAND, whose head office is in France has distributors in most countries for greater proximity

