

Online Infrared Flue Gas Analyzer

Gasboard-3000



Introduction:

- ✦ Gasboard 3000 flue gas analyzer can be used for measurement of the concentration of up to 5 gases such as SO₂, NO, CO, CO₂ and O₂ components in sample gases simultaneously. It is based on the micro-flow type non-dispersion infrared (NDIR) method for SO₂, NO, CO, CO₂ and O₂ is measured by fuel cell method. This analyzer is designed with 19 inches 3U smaller physical dimensions and the simple single-beam infrared source system. The general application is Continuous Emission Monitoring System (CEMS), combustion efficiency monitoring for various industrial furnaces or refuse incinerator and boiler

Features & Specifications



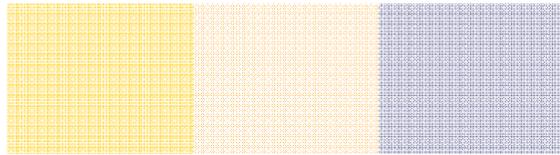
Features:

- Up to five gases measurement with micro-flow NDIR gas sensor technology
- Simple construction with Single infrared source and single wavelength
- 320*240 LCD with menu operation.
- CE Certification constant
- Sample pump inside optional
- RS-232 interface
- Supply data sample control Software for Demo

Specifications:

Measure Gas	Measure Method	Measure Range	Resolution	Precision	Repetition Error
SO ₂	Micro-flow NDIR	2000PPM	1PPM	≤1%	≤1%
NO	Micro-flow NDIR	2000PPM	1PPM	≤1%	≤1%
CO	Micro-flow NDIR	5000PPM	1PPM	≤1%	≤1%
CO ₂	Micro-flow NDIR	25%	0.01%	≤1%	≤1%
O ₂	Electrochemical	25%	0.01%	≤3%	≤2%

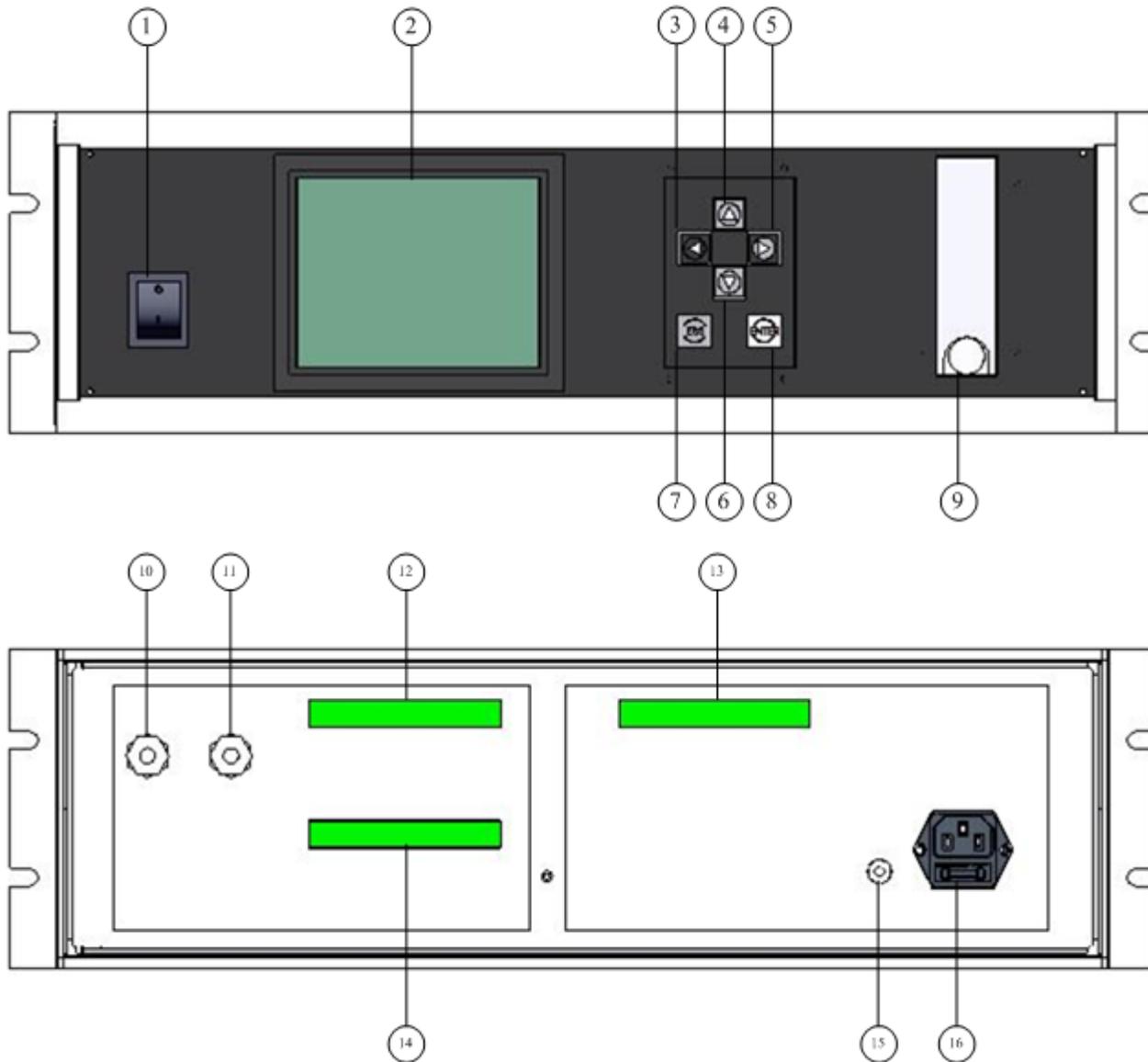
Note: Measurement range can be customized by the requirement.



Gas flow	0.7 ~ 1.2 L/min
Pressure of gas inlet	<1Bar
Sampling gas requirement	Remove water vapor,dust(<1um) and oil etc.
Response Time(TD+T90)	<10s (NDIR)
Warm-up Time	15min
Communication Interface	RS232/RS485
Output	4 ~ 20 mA
Alarm	Alarm

Work Temperature	0 ~ 50
Relative Humidity	5 ~ 85%
Ambient Pressure	86 ~ 108kPa
Power Source Supply	220V±44V AC 50Hz±1Hz
Dimension	433mm×420mm×132mm (width×length×height)
Weight	12kg

Front & Back Panels



- | | |
|------------------------|----------------------------|
| 1 --- Power on/off | 2 --- LCD |
| 3 --- Left keypad | 4 --- Up keypad |
| 5 --- Right keypad | 6 --- Down keypad |
| 7 --- ESC | 8 --- ENT |
| 9 --- Flow | 10 --- Gas inlet |
| 11 --- Gas outlet | 12 --- DIO1 |
| 13 --- RS232 interface | 14 --- DIO2 |
| 15 --- GND | 16 --- Power source socket |

Accessory & Applications



OEM Flue gas analyzer



Power Plant

Standard accessory:
Power supply cable



OEM flue gas analyzer
for Europe and South
American companies

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