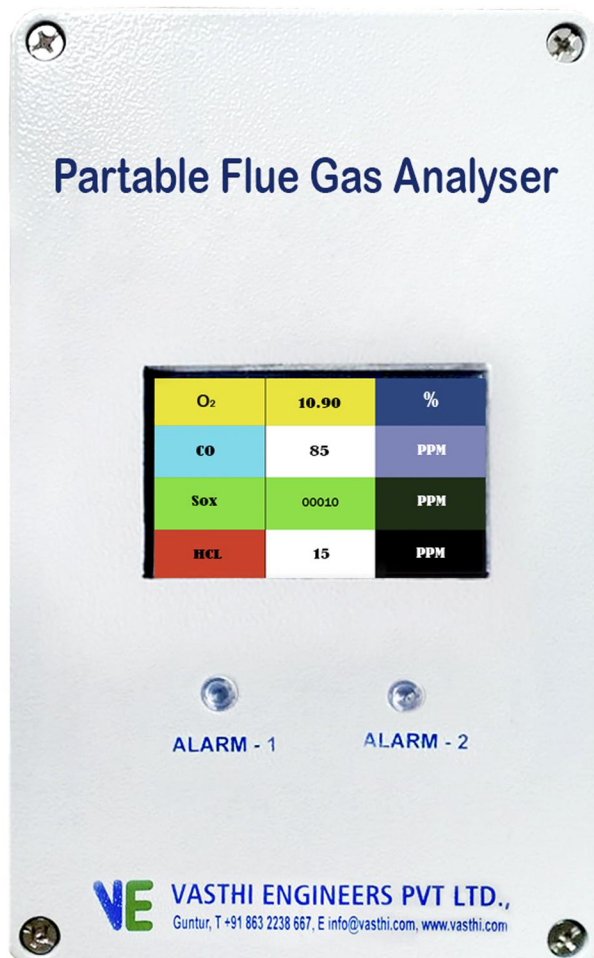


Vasthi Portable Flue Gas Analyzer

Vasthi Flue Gas Analyzer Improves Efficiency, Reduces Fuel Cost And Pollution



Vasthi Portable Flue Gas Analyzer

Flue gas is the gas exiting to the atmosphere via a flue, which is a pipe or channel for conveying exhaust gases from a fireplace, oven, furnace, boiler or steam generator. Vasthi Engineers offer the latest and most innovative flue gas analyzers to monitor the composition of the flue gas of a boiler heating unit to determine if the mixture of air and fuel is at the proper ratio for maximum heat output. Data logging is an option on all our multi -gas monitors.

Salient Features:

- Portable with IP 65 certified casing
- Graphical display with fault and low battery indications
- 10 hours continuous battery backup
- User – friendly: easy to learn and use
- 4 years guaranteed- life-Oxygen sensor specially designed for combustion purpose. No other gases affect its performance. 8 years life – optional
- Automatic self-calibration: field calibration starts automatically on each start up with aspirated fresh air.
- Strong chromel-alumel thermocouple suitable up to 1000°C with dust and moisture filter & User selectable fuels- gas, oil and coal.
- Automatic self-check for efficiency calculation: specific percentage efficiency of selected fuel is displayed as a check on its calculations with aspirated fresh air.
- Time-tested in-built suction pump.
- Self-test: a) flow fault b) oxygen sensing and c) battery backup time.

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Specifications:

1. Gases	Measuring ranges & Resolution	
a) Oxygen	0-25 % in Stack Gas	0.1%
b) Different Temp.	25 – 1000°C	0.1%
c) Efficiency	0-99.0%	0.1%
d) CO	0-2000 PPM	1PPM
e) Co2(calculated)	0-25%	
2. Display	Graphical Display - Vasthi Exclusive	
3. Sensors	Electrochemical for Oxygen	
4. Temperature	K type Thermocouple	
5. Accuracy	Oxygen: $\pm 0.25\%$ Temp : $\pm 0.25\%$ Efficiency: $\pm 0.1\%$	
6. Response Time	Maximum 30 seconds at 95% variation	
7. Self-Diagnosis	Combustion efficiency test with diagnostic indications	
8. Power Supply	Internal Ni-cad battery pack with external charger 220 V 50 Hz AC	
9. Working Temperature	-5°C to +55°C	
10. Storage Temperature	-20°C to 50°C	
11. Line Filter	Replaceable cartridge	
12. Probe Length	SS 600 mm length Standard (900mm,1200mm, optional)	

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INSTRUMENT SPECIFICATIONS:-

Sampling Method	: Auto Suction (with pump)
Measurement	: Continuous.
Readout	: Graphical Digital
Resolution	: 0.1
Accuracy	: +/- 2 %
Repeatability	: +/- 1 %.
Response Time	: < 10 seconds at 95 % variation.
Alarms	: Low & HI Visual and Audible (Different Tones).
Low Battery Alarms	: Audio & Visual.
Power Supply	: Standard batteries
Battery backup	: continuous 8 hours.
Temperature Range	: 0 - 55°C
Warranty	: One year.
Display	: 128 X 64 Pixels Graphical LCD
Power	: Single cell lithium ion Battery with In-built charge control
Weight	: 445 grams (approx.)
Dimensions	: Refer to GA Drawing
Degree of Protection	: IP - 65

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