

AGASTHYA 2005 series Portable Analyzers



Bhoomi has a range of portable gas analyzers for domestic and industrial boiler flue gas measurement and analysis.

It can operate either for showing measurement and efficiency of boiler or pollution

Gas analysis is done using electrochemical sensors.

This analyzer is designed for short term measurement for all type of burners.

Model 2005 Multi Gas

Measurement of gas concentrations

- » Oxygen
- » Carbon monoxide
- » Nitric oxide
- » Sulphur dioxide

Other gases on request :

CH₄, HCL, HF, H₂S, Cl₂, NH₃

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TECHNICAL SPECIFICATION

Parameter	Resolution	Accuracy	Range
Flue Temperature with probe	0.1° C/F	±2.0° C, ±0.3% reading	0-1200° C / 32 - 2200° F with suitable probe
Inlet Temperature	0.1° C/F	±1° C, ±0.3% reading	0-50° C / 32 - 122° F
Pressure	0.1mbar	±2.% of full scale	+150mbar to -150mbar
GAS MEASUREMENT (*1)			
Oxygen	0.1%	±0.2%	0.21%
Carbon Monoxide (Standard)	1ppm	±20ppm<400ppm, ±5%<500ppm, ±10%<5000ppm	0-10,000ppm
Nitric Oxide (Standard)	1ppm	±5ppm<100ppm, ±5%>100ppm	0-5,000ppm
Nitric Oxide (Low Range)	1ppm	±2ppm<30ppm, ±5ppm>30ppm	0-100ppm
Nitrogen Dioxide	1ppm	±5ppm<100ppm, ±10ppm<500ppm ±5% >500ppm	0-1000ppm
Sulphur Dioxide	1ppm	±5ppm<100ppm, ±5% >100ppm	0-5000ppm
CALCULATIONS			
Carbon Dioxide	0.1%	±0.3% reading	0-99.9%
Efficiency	0.1%	±1.0% reading	0-99.99%
Losses	0.1%	±1.0% reading	0-99.99%
Excess air	0.1%	±0.2%	0-2885.0%
Temp (Nett)	1.0°C/F	±2°C ±0.3% reading	0-600°C / 32-1112°F
CO/CO ₂ Ratio	0.0001	±0.0001	0-0.9999
Poison Index	0.01%	0.01	0-99.99
Pre-programmed fuels	20 Fuels		
OPTIONAL GASES			
Carbon Dioxide	0.1%	±3%	0-1%, 0-5%, 0-20%, 0-100%
Methane	0.1%	±3%	0-1%, 0-5%, 0-20%, 0-100%
HCl	1ppm	±5ppm or 5% rel.	0-200 ppm
HF	1ppm	±0.5ppm or 5% rel.	0-10 ppm
Ammonia	1ppm	±5ppm or 5% rel.	0-500 ppm, 0-1000 ppm

FEATURES

- ❖ Automatic zeroing when the analyzer is switched ON
- ❖ Incredible 6 hours operating time from one set of batteries
- ❖ Gas probe with thermocouple and condensate trap
- ❖ RS-232C interface and multifunctional PC program
- ❖ List of 20 common fuels
- ❖ 5 further freely programmable fuels
- ❖ LCD display
- ❖ Membrane pump

PROBE DETAILS

Standard Probe

- ❖ Probe length 500 mm
- ❖ Length of gas line 3 meters
- ❖ 0.1 micron membrane filter

High Temperature Probe

- ❖ Probe length 1000 mm
- ❖ Length of gas line 5meters
- ❖ 0.1 micron membrane filter

Add-on

- ❖ 1 micron SS filter

OTHER DETAILS

- ❖ Operating temperature 10 °C to 50°C
- ❖ Storage temperature -5 °C to +50 °C
- ❖ Power supply (Battery charger) Input 220/110 VAC Output 8VDC

* We reserve the right to amend the specifications.

BHOOMI ANALYZERS

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