

## Agasthya 2013 Series Portable Emission Monitoring Analyzer Model BI 7000P



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**Specification:**

PARAMETER	RESOLUTION	ACCURACY	RANGE
<b>PROCESS PARAMETERS</b>			
Flue Gas Temperature with Standard SS Probe*	0.1° C	± 2.0° C	0 - 600° C
<b>GAS MEASUREMENT - ELECTROCHEMICAL BASED SENOR</b>			
Oxygen (O <sub>2</sub> )	0.1%	± 2% O <sub>2</sub>	0 - 21%
Carbon Monoxide (CO) (H <sub>2</sub> Compensated)	1 ppm	± 20 ppm < 500 ppm, ± 5% of FS > 500 ppm	0 - 10000 ppm
Carbon Monoxide (CO) (High Range)	0.01%	± 5% of FS	0 - 10%
Nitric Oxide (NO)	1 ppm	± 5 ppm < 100 ppm, ± 5% of FS > 100 ppm	0 - 5000 ppm
Nitric Oxide (NO) (Low Range)	1 ppm	± 2 ppm < 30 ppm, ± 5 ppm > 30 ppm	0 - 500 ppm
Sulphur Dioxide (SO <sub>2</sub> )	1 ppm	± 5 ppm < 100 ppm, ± 5% of FS > 100 ppm	0 - 5000 ppm
<b>GAS MEASUREMENT - INFRARED (IR) BASED SENSOR</b>			
Total Hydrocarbon (THC)	0.1%	± 3% of FS	0 - 1%, 0 - 5%, 0 - 100%

\*Inconel Probe is available for 0 - 1200° C temperature at additional price.

Other gases on request

**Features**

- Automatic zeroing when the analyzer is switched ON
- All parameters programmable
- 18 common fuels with 4 extra programmable fuels

**Unit Specification**

- Ambient temperature : 0-50°C
- Humidity : 5-95 % rh
- Power supply : 12V/24V DC Adaptor
- Area classification : General purpose

**Combination of Technologies for Gas Concentration Measurement**

- NDIR Sensors
- Electrochemical Sensors

**Programmable Units of Measured Gas Concentration**

- Gas concentrations can be displayed either in ppm or mg/m<sup>3</sup>
- Gas concentrations can be displayed either in ppm or µg/m<sup>3</sup> on request

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## Data Management

- Can store up to 150 sets of data
- Auto store and averaging option for all gas concentration
- Powerful windows software for analyzer data communication
- All measured values, stored values or displayed can be printed on the external printer

## Hardware Capabilities

- 32-bit Cortex-M3 ARM processor
- Rechargeable lithium ion battery 4400 with mAh
- Pump with Suction capacity of 500 mbar Absolute
- Printer interface
- Borosilicate filter with 0.1 micron porosity
- Gas probe with thermocouple and condensate trap
- USB Communication Port

## Optional Accessories

- Thermal Printer
- High Temperature Probe for temperature upto 1200 deg C. MOC Inconel

## Applications



**BHOOMI**<sup>®</sup> Process Management Pvt. Ltd.  
(Formerly known as Bhoomi Analyzers)

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