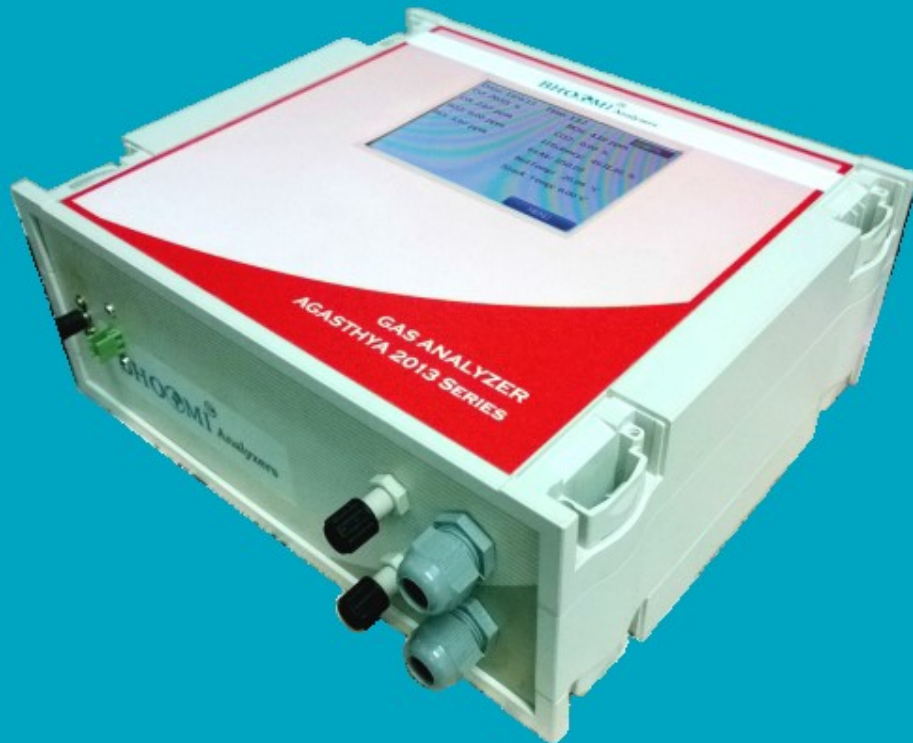


## Agasthya 2013 Series Portable Syn Gas Analyzer Model BI 7230



The Agasthya series BI 7230 Portable Syn-Gas Analyzer System has been designed considering the flexibility required in the environments that characterize syn gas and bio-mass applications.

The analyzer uses high-stability infrared sensors for the simultaneous measurement of CO, CO<sub>2</sub> and CH<sub>4</sub>. In addition, the analyzer can also be supplied with long-life thermal-conductivity sensor for H<sub>2</sub>. All sensors are temperature-compensated for maximum analytical stability. Auto calibration functionality allows easy calibration without user intervention.

### Features:

- 32-Bit Cortex-M3 ARM Processor
- 5.7" QVGA TFT Touch Screen Display
- Touch-3screen display for gas reading
- Built-in sample pump or pressure regulator
- Tried and tested technology with proven reliability
- High range on each channel available (up to 100%)
- Automatic moisture removal system included
- RS 232 interface for data logging
- PTFE sample lines & sample components (where prudent)

# Agasthya 2013 Series Portable Syn Gas Analyzer Model BI 7230

## Specification

Method of Detection	: NDIR infrared sensor for CO, CO <sub>2</sub> , CH <sub>4</sub> Electrochemical sensor for O <sub>2</sub> Thermal conductivity sensor for H <sub>2</sub>
Ranges Available	: O <sub>2</sub> : 0-25%, 0-50%, 0-100%, Resolution: 0.10% CO: 0-10%, 0-50%, 0-100%, Resolution: 0.10% CO <sub>2</sub> : 0-10%, 0-50%, 0-100%, Resolution: 0.10% CH <sub>4</sub> : 0-50%, 0-100%, Resolution: 0.10% H <sub>2</sub> : 0-50%, Resolution: 0.10%
Accuracy & Repeatability	: ± 2% of reading for all gases
Drift	: Less than 2% of full scale per month
Response Time (T-90)	: 20-30 seconds
Ambient Temperature Range	: 4 to 50°C
Power	: 12V/24V DC adaptor
Output Options	: RS 232 interface for data logging

**BHOOMI**<sup>®</sup> Process Management Pvt. Ltd.  
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