

Portable Syn-Gas Analyzer Model 7230

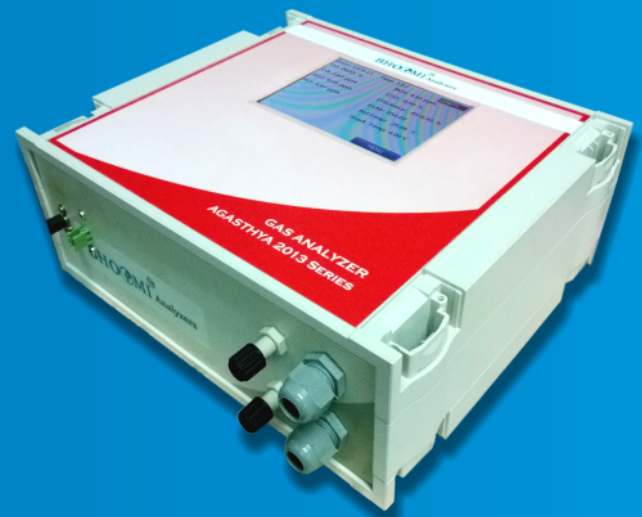
The Agasthya series BI 7230 Portable Syn-Gas Analyzer System has been designed considering the flexibility required in the environments that characterize syn gas and bio-mass applications.

The analyzer uses high-stability infrared sensors for the simultaneous measurement of CO, CO₂ and CH₄. In addition, the analyzer can also be supplied with long-life electrochemical sensor for H₂.

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-screen display for gas readings
- Built-in sample pump or pressure regulator
- Tried and tested technology with proven reliability
- High ranges 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)



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Bhoomi Advantages

- Ensured after sales & service support
- Spares and accessories availability guaranteed
- Low cost of ownership, maintenance and installation
- Combination of technologies and integration under one roof

Specifications

- Method of Detection : NDIR infrared sensor for CO, CO₂ and CH₄
Electrochemical sensor for O₂ & H₂
- Ranges Available : O₂ 0-25.0%, 0-50.0%, 0-100.0%
CO 0-10.0%, 0-50.0%, 0-100.0%
CO₂ 0-10.0%, 0-50.0%, 0-100.0%
CH₄ 0-50.0%, 0-100.0%
H₂ 0-5.0%
- Resolution : 0.1% for all gases
- Accuracy & Repeatability : ± 1.5% of reading for all gases
- Drift : Less than 2% of full scale per month
- Response Time (T-90) : 20-30 seconds to 90% step change
- Ambient Temperature Range : 4 to 50°C
- Power : 80 to 230 VAC, 50 Hz, Adaptor
- Output Options : RS 232 interface for data logging