

Agasthya 2013 Series Model BI 7000



The Agasthya 2013 Series Gas Analyzer BI 7000 is designed to meet the needs of various industrial process with combination of technologies. The technology employed is tried and tested to ensure the user experiences maximum reliability and accuracy.

Up to six gases can be analyzed simultaneously with scalable ranges for each gas. BI 7000 is an ideal solution to protect initial investment & long lasting performances.

Features:

- ❖ 32-Bit Cortex-M3 ARM Processor
- ❖ 5.7" Colour TFT Display
- ❖ Tried and tested technology with proven reliability
- ❖ Built-in to simultaneously analyze upto 6 gases
- ❖ Scalable ranges available for each gas
- ❖ Wide range of gas selectivity
- ❖ Compensated for temperature and pressure of media
- ❖ Isolated 4-20 mA analog output per each gas
- ❖ RS 485, MODBUS protocol

Technical Specification

Parameter	Resolution	Accuracy	Scalable Range
GAS OPTION – Paramagnetic			
Oxygen	0.1%	±1% of reading	0-1%, 0-25%, 0-100%

Specification:

Sensor Technology	: Paramagnetic
Gas Sensing Method	: Through Flow
Accuracy & Linearity	: <± 2% O ₂
Repeatability	: <± 0.01% O ₂
Drift	: <± 0.2% O ₂ per month
Response Time (T-90)	: ≤3 seconds
Operating Temperature	: 4°C to 65°C
Analog Output	: 4-20 mA (max load resistance upto 500 Ω)
Digital Interface	: RS485 with MODBUS Protocol
Relay Output	: 2 Nos. potential free contacts for alarms
Power Supply	: 110/230 VAC, 50 Hz
Humidity	: 5-95% RH
Flow Meter	: 0.1-1 LPM
Sample Connection	: 1/4 inch S.S. Connection
Area Classification	: General Purpose, Ex-proof on request (ATEX Certified Zone1 GAS Gr Gr IIA /IIB, T4)
Cable Entries	: 2 NOS , 1/2" NPT (F)
Ingress Protection	: IP 65 or better
STANDARD	: IEC/EN 61010-1 2010

Sample Conditioning Unit

Smart unit
Pre and post cooler fine filters to remove drain, dust and mist in sample gas
Auto drain and auto purging (blow back) facilities
2 way solenoid valves for switching, sampling, purging, draining and calibration
Flowmeter to regulate and monitor the flow of sample gas
Drain pump for continuous removal of condensate

Cabinet

Industrial Cabinet, Purge panel option for hazardous area
Meets IP 54 standard, Others on request
Inbuilt air conditioning system
Automatic cabinet illumination when door open
Earthing bar assembly
180 degree door opening
Standard Dimension: 1500 (H) x 800 (W) x 800(D) mm,

Purge Panel

Area classification	: Zone1 & Zone2, Gr IIA, IIB, IIC, T4.
Mounting	: Different type of mounting available.
MOC- Enclosure & Doors	: CRCA MS Powder Coated Thickness - 2mm
REF Standard	: IEC 60079-2, EQUIPMENT PROTECTION, BYPRESSURIZED ENCLOSURE, Z Type Purging System
External Indications ON FLP JB	: PURGE OK, PURGE FAIL, MAINS ON
Tubing & Piping	: Stainless Steel - SS 304
Panel Cooling	:1) Surface Heat Dissipation 2) Vortex cooler is provided along with solenoid valve and thermostatic Control
Purge Panel dimension	: 1900Hx1200Wx800D
Panel Colour	: RAL 7035- Panel IP Protection: IP 65
Purge gas	: Inert gas to be provided by client

(Sister Concern Bhoomi Analyzers)**Head Office :**

Unit no.812-815, 8th Floor,
The Gateway, GMLR ,
L.B.S. Marg, Mulund (W), Mumbai - 400080.

Manufacturing Unit :

201, 207, 208, G Wing, Udyog Bhavan No.: 2,
Plot No.: K-3, Additional Ambernath MIDC,
Ambernath-East-421506, Dist.: Thane, Maharashtra.

Phone : + 91-22-25916858, 25916916 Cell : +91 8652065039

Email : sales@bhoomiltd.com, bhoomianalyzers@gmail.com

Website : www.bhoomiltd.com