

Agasthya 2017 Series Portable Multi Gas Analyzer Model BI 7410



Specification:

PARAMETER	RESOLUTION	ACCURACY	Programmable RANGE
GAS MEASUREMENT – ELECTROCHEMICAL BASED SENSOR			
Oxygen	0.10%	±1% FSD	0-21% upto 100%
Carbon Monoxide	1 ppm	±20 ppm<500 ppm, ±5%>500 ppm	0 – 100 ppm upto 10000 ppm
Carbon Monoxide	0.01%	±5% FSD	0-10%
Nitric Oxide	1 ppm	±5 ppm<100 ppm, ±5%>100 ppm	0-500 upto 5000 ppm
Nitrogen Dioxide	1 ppm	±5 ppm<100 ppm, ±10 ppm<500 ppm ±5% >500 ppm	0 - 1000 ppm
Sulphur Dioxide	1 ppm	±5 ppm<100 ppm, ±5% >100 ppm	0-500 ppm upto 5000 ppm
Hydrogen Chloride	1 ppm	±5 ppm	0-50 ppm upto 200 ppm
Hydrogen Fluoride	1 ppm	±0.5 ppm	0-10 ppm upto 30 ppm
Hydrogen Sulphide	1 ppm	±5 ppm	0-50 ppm upto 5000 ppm
Hydrogen	1 ppm	±5 ppm	0-1000 ppm upto 100%
Ammonia	1 ppm	±5 ppm	0-15 ppm upto 1000 ppm
Chlorine	1 ppm	±5 ppm	0-50 ppm upto 400 ppm
GAS MEASUREMENT –IR BASED SENSOR			
CO	0.1%	±2% FSD	0-10%, 0-50%, 0-100%
CO2	0.1%	±2% FSD	0-10%, 0-50%, 0-100%
CH4	0.1%	±2% FSD	0-50%, 0-100%
Propane	1 ppm	±2% FSD	0-21000ppm
GAS MEASUREMENT – THERMAL CONDUCTIVITY BASED SENSOR			
H2	0.1%	±2% FSD	0-50%
GAS MEASUREMENT – PRAMAGNETIC BASED SENSOR			
Oxygen	0.01%	<+/- 0.2% O2	0-21% upto 100%

**Sampling probes for Temp range upto 1100degc Inconel, Temp range upto 1400degc Alumina
Analyzer in Compliance to BS845 standard**

Unit Specification

- ❖ Repeatability : ±2% FSD EC sensors, ±1% FSD IR & Thermal conductivity, <+/- 0.2% FSD Paramagnetic
- ❖ Drift : ±2% Electrochemical sensor, ±1% IR sensor & Thermal conductivity, <+/- 0.2% per month
- ❖ Response Time : T90 < 60 sec EC sensors, T90 < 30 sec IR sensors & TC, T90 <=20sec, Paramagnetic
- ❖ Ambient temperature : 0-50°C
- ❖ Humidity : 5-95 % RH
- ❖ Power supply : 230VAC Adaptor
- ❖ Area classification : General purpose

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
- ❖ Sampling probes available as per site conditions of varying length

Hardware Capabilities

- ❖ 32-bit Cortex-M3 ARM processor
- ❖ Rechargeable lithium ion battery 4400 with mAh
- ❖ Pump with Suction capacity of 500 mbar Absolute
- ❖ Borosilicate filter with 0.1 micron porosity
- ❖ USB Communication Port

Head Office:

409, 4th Floor, Avior (Nirmal Galaxy),
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Manufacturing Unit:

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