

AGASTHYA 2005 SERIES Trace & Percentage Oxygen Analyzer



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Bhoomi make Trace Oxygen Analyzer is simple to operate and easy for maintenance.

Analyzers are custom built as per requirement of process and unique applications.

Simple menu choices, membrane command switches and the LCD display makes interaction user friendly.

Accurate reading of oxygen contents from low ppm levels to 100%

Measurement of gas concentrations

- ◆ O₂ in ppm & Percentage

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Processing and presentation of measuring data

- ◆ All result shown on display
- ◆ Online data measurement

Specifications

Oxygen sensor	: Fuel Cell
Power supply	: 110 / 230 VAC, 50 HZ
Computer Interface	: RS 232
Programmable alarm set points	: 2 no's
Auto locking solenoid valves	: 2 no's
Calibration Accuracy	: $\pm 1\%$ of full scale
Response time	: < 90 sec for T90
Operating Temperature	: 0 to 50°C
Sample connections	: User specified 1/4" or 6 mm fittings
Wetted parts	: Stainless steel and nylon
Area classifications	: General purpose
Mounting	: Rack type / Portable
Dimensions	: 8.75" W x 5.0" H x 9.5" D
Weight	: 5.5 Kg

Advantages

- ◆ Maintenance free oxygen sensor
- ◆ Auto ranging
- ◆ Linear sensor
- ◆ Low Cost

Optional

- ◆ Isolated 4 -20 mA output
- ◆ Ultra fast response cell
- ◆ Data logging software

Parameter	Measuring method	Range	Resolution	Accuracy	Time (T90)
Oxygen, volumetric concentration	Micro fuel cell	0-1000ppm	1 ppm	$\pm 2\%$ of Scale	30 s
Oxygen, volumetric concentration	Electro Chemical Sensor	0-30%	0.01%	$\pm 2\%$ of Scale	30s
Oxygen, volumetric concentration	Electro Chemical Sensor	0-100%	0.01%	$\pm 2\%$ of Scale	30s

Applications

- ◆ Monitoring inert gas blanketing
- ◆ Chemical reaction monitoring
- ◆ Petrochemical process control
- ◆ Gas analysis certification
- ◆ Air separation and liquefaction
- ◆ Semiconductor manufacturing
- ◆ Quality assurance

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