

Continuous Gas Analyzer

Field / Wall Mount Model : GA - 251



Protects **Personnel, Plant
& Assets**



HNL SYSTEMS OFFERS A COMPLETE VERSATILE, MULTI-FUNCTIONAL, GAS ANALYSER FOR ON-LINE MEASUREMENT WITH OPTIONS TO USE WITH PC INTERFACE, DATA LOGGER, RECORDER, DATE & TIME, A MICROPROCESSOR BASED SYSTEM

TECHNOLOGY

The Model GA-251 field mounted gas analyzer is suitable for the continuous measurement of the concentrations of gases such as CO, CO₂, SO₂, NO, O₂, CH₄, H₂. Maximum four of these components can be measured in the analyzer. The simplicity of operation makes HNL Gas Analyzer a valuable aid for continuous use in various applications by changing the measuring parameters. Its versatile modular design permits configuration and up-gradation to suit specific needs of customer in selection of gases to be measured.

Optionally, model GA - 251 is available with highly up-gradable microprocessor based electronics, which is equipped with battery backup for RAM to retain the existing set modes in case of power failure, any unacceptable deviation from the standard stored values is displayed as an indication "FAULT".

SPECIAL FEATURES

- Alarms for LOW, HIGH and specific fault
- Specific sensor as per gas, range & application
- Sample conditioning system per application
- Self diagnostic check facility
- Complete automatic operation
- Six key to operate the complete instrument

APPLICATIONS

- Stack or exhaust gas analysis
- Power & industrial plants
- Process analysis
- Fuel efficiency/optimization of combustion

HNL Systems Pvt. Ltd.

Administrative & Sales Office: 25/N, Laxmi Industrial Estate, New Link Road, Andheri (W), Mumbai – 400 053, India. Tel : +91 22 4295 2180 / 81.

www.hnlsystems.com | sales@hnlsystems.com | <https://www.facebook.com/HNLSYS>

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GASES & RANGES

Gases and ranges are only indicative. Contact HNL for special gas / vapour & range

1. O ₂	: 100	PPM (25 -100%)	5. SO ₂	: 200-2000	PPM
2. CO	: 200 - 2000	PPM (10-100%V/V)	6. CH ₄	: 5% V/V, 100%	LEL
3. CO ₂	: 0-5000	PPM (100%V/V)	7. H ₂	: 4-100 %	
4. NO/NO _x	: 0.1999-5000	PPM	8. Moisture(water vapor)	: 0-100 %	Humidity
			9. Efficiency stack loss	: sensor calculated	

SPECIFICATIONS

Type	Field / wall mounted
Features	Wall Mounted analyzer, process gas analyzer, versatile, multi-functional, online measurement, use with PC interface, data logger
Detectable gases / parameters	All
Electronics / processor	Micro-controller
Power supply	230 V AC
Display	Graphic LCD
Alarm	Controlled alarms
Output	current, RS 485, individual relay, potential free contacts to control alarm
Sensor technology	All gaseous sensors
Range / resolution	mg/m ³ , PPM, % V/V, application defined
Accuracy	± 0.5 % FS
Response time	less than 30 sec, sensor dependent
Operating temperature	0 - 55 °C
Sampling / input	Integrated with sampling system, direct plug-in
Housing / case	Plastic IP 65, IIA, IIB IP 66
Included accessories	RS 485, datalogging
Optional accessories	Sampling system, RS 232
Applications	Process analysis, emission analysis
Industries	All, process industries, chemical, petrochemical, paper mills, power plants, steel plants, breweries

OTHER SPECIFICATIONS

Optional mounting	Flush on panel / table top
Warm uptime	Analysis detector dependent
Sample Gas condition	0 Temp: 0-50 °C
	Pressure: Less than 1.5 Kg/cm
	The gas should be dry & clean. Other than this, suitable sample conditioning system is required.

Note : Specifications and Features will vary with application. Due to HNL's commitment to research, design and product improvement, specifications are subject to change without notice.

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