

Field Mounted Monitor

Fixed Gas Monitor Model : GD - 250



Protects **Personnel, Plant & Assets**



FOR H₂, Cl₂, BR₂, F₂, HCl, HF, HCN, CO, CO₂, NO, NO₂, SO₂, H₂S, NH₃, O₂, LPG / CNG, HYDROCARBONS, ORGANIC SOLVENTS / VAPOURS.

HNL SYSTEMS OFFER A GAS MONITOR / ANALYZER WITH APPLICATION SPECIFIC SENSOR TECHNOLOGIES CAPABLE OF CONTINUOUSLY MEASURING AND MONITORING TOXIC GASES, HYDROCARBONS & OXYGEN IN PROCESS, FLUE GAS OR AMBIENT AIR.

TECHNOLOGY

The Field Mounted Monitor is a single gas multipurpose monitor that combines simplicity and high performance in a low cost, low maintenance package. The rugged NEMA 4X or 7X assembly is suitable for a variety of industrial, commercial and general purpose applications to monitor hazardous, toxic gases or oxygen in process flue gas or ambient air. Model GD-250 single channel digital control modules are designed to supervise and display the status of a single integral or remote sensor assembly. Model GD-250 is housed in a NEMA 4X wall mount enclosure or Ex-proof enclosure. Model GD-250, single channel controllers interface with industry standard two or three wire 4-20 mA sensor or other standard voltage / current sensor transmitters and provide the user with concentration display and two independent adjustable alarm levels. The 3 ½ digit LCD or Alphanumeric LCD display can read the concentration. LEDs on the front panel provide indication of all three alarms.

The alarm relays can be programmed to be either latching or non-latching and to activate either as a rising or falling alarm. The relays are SPDT Form C type rated at 5 Amps to provide direct alarm action, reducing the need for interposing relays. Local alarm devices can be connected to the configurable on board alarms. The Fail-safe supervisory provides a reliable indication that the monitor is fully operational. The 'Fail safe' design monitors the input power and status of the power supply for the amplifiers. A failure of any one of these functions illuminates a 'Fault' LED. HNL offers 10 different sensor technologies, command of each of these technologies enables us to "*Fit the Product to the Application*", and assure long term service, reliability & optimal performance in every application.

SPECIAL FEATURES

- Fast and accurate response
- Long life application specific gas sensor
- Solid state electronics
- Two alarm levels, continuous monitoring
- Fail safe protection, recorder output
- Integral or remote mounting sensor
- Un-attended operation
- Sampling by diffusion or sample draw pump.
- Flexibility to fit your application needs
- Interfaces with Industry standard transmitters

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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SENSOR TECHNOLOGIES The Heart of the system is the Sensor, it is the most critical component in overall system performance. Since, no single sensor technology is ideal for all applications, HNL offers Ten different sensor technologies. This capability is mandatory in today's complex industrial market. Command of each of these technologies enables us to "Fit the Product to the Application", and assure long term service and reliability & optimal performance in every application.

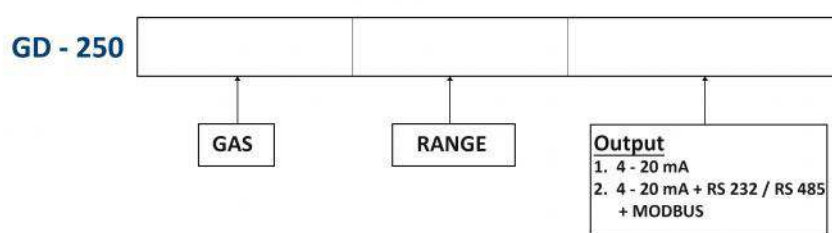
SPECIFICATIONS

Type	Field / wall mounting
Detectable gases / parameters	Toxic, Explosives, Oxygen
Electronics / processor	Micro-controller
Power supply	230 V AC, 50 Hz
Display	3 ½ LED display for Ex-Proof, Aluminium display for Weather-Proof
Alarm	LOW & HIGH visual alarms, adjustable
Output	4 - 20 mA Standard
Technology	Sensor Dependent
Resolution	1 %V/V, 1 %LEL, 0.1 PPM
Accuracy	+/- 2%
Response time	Less than 10 sec
Operating temperature	0 to 55 °C
Sampling	Diffusion / suction
Housing	Plastic / Di-cast Aluminium
Accessories	Data logger, cable, hooter-flasher, RS 232, RS 485, MODBUS

GASES AND RANGES

01. H ₂ : 0 - 100 / 0 - 2000 PPM	06. Chlorine : 0 - 3 / 0 - 2000 PPM	12. HCl/HF : 0 - 5 / 0 - 15 PPM
02. CO ₂ : 0 - 50 / 0 - 20 %V/V	07. Bromine : 0 - 3 / 0 - 2000 PPM	13. HCN : 0 - 10 / 0 - 100 PPM
03. H ₂ S : 0 - 5 / 0 - 2000 PPM	08. CO : 0 - 50 / 0 - 4000 PPM	14. Fluorine : 0 - 5 / 0 - 15 PPM
04. Oxygen : 0 - 30 / 0 - 100 % V/V	09. NO ₂ : 0 - 30 / 0 - 100 PPM	15. SO ₂ : 0 - 10 / 0 - 2000 PPM
05. NH ₃ : 0 - 300 PPM	10. NO : 0 - 100 / 0 - 1000 PPM	16. NO _x : 0 - 30 / 0 - 100 PPM
11. LPG/ CNG /Combustible gases : 0-100 %LEL		

ORDERING INFORMATION



Note : Specifications and Features will vary with application. There may be changes overtime due to continuous development process.
@ 2017