

# FIELD MOUNTED GAS MONITORS / ANALYSERS

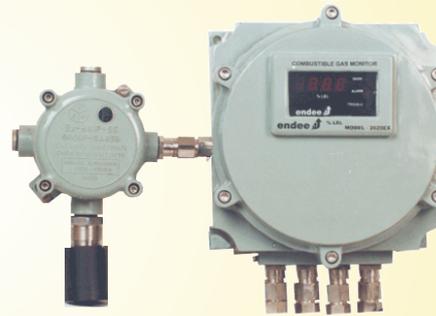


ENDEE Engineers offer a Gas Monitor / Analyser with Application Specific Sensor Technologies capable of continuously measuring and monitoring Toxic Gases, Hydrocarbons & Oxygen in Process, Flue Gas or Ambient Air.

H<sub>2</sub>, Cl<sub>2</sub>, BR<sub>2</sub>, F<sub>2</sub>, HCl, HF, HCN, CO, CO<sub>2</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>S, NH<sub>3</sub>, O<sub>2</sub>, LPG / CNG, HYDROCARBONS, ORGANIC SOLVENTS / VAPOURS.



**Model 2620**



**Model 2620 Ex-Proof**

The 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 2620 single channel digital control modules are designed to supervise and display the status of a single integral or remote (2620 R) sensor assembly. Model 2620 is housed in a NEMA 4X wall mount enclosure or Ex-proof enclosure.

Model 2620R 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 failing 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" Light Emitting Diode.

## SPECIAL FEATURES

- Fast and accurate response.
- Long Life Application Specific Gas Sensor Technologies.
- Solid State Electronics
- Continuous Monitoring
- Two Alarm Levels.
- 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.

## SENSOR TECHNOLOGIES

The HEART of any Analytical system is the SENSOR. It is the most critical component in overall system performance. Because no single sensor technology is ideal for all applications,

ENDEE 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.

## SPECIFICATION

Minimum Resolution	:	0.1 or 1 unit of the range.
Indication	:	Digital Continuous
Mounting	:	Wall
Sensor Technology	:	Appropriate to Application
Detection Method	:	Diffusion / Sample Draw Pump
Accuracy	:	± 2%
Linearity	:	± 2%
Relative Humidity	:	0 - 99% Non-condensing
Response Time	:	(90% in 10 seconds)
Signal Output for Recorder	:	0 - IV, 4-20 mA (Optional)
Alarm Setting	:	High and Very High Adjustable over full range
Alarm Circuits	:	SPDT 5 AMP 220V Contacts
Controls	:	Zero, Span, Alarm Setting
Power Source	:	110V or 220V 50 Hz. 24 VD C (Optional)
Dimensions	:	Model 2620 - 250 X 200 X 100mm

## GASES DETECTED & RANGES

Gases	Ranges	Gases	Ranges
1. Hydrogen	0 - 100 to 2000 PPM	11. Hydrogen Sulphide	0 - 5 to 2000 PPM
2. Chlorine	0 - 3 to 2000 PPM	12. Nitric Oxide	0 - 100 1000 PPM
3. Bromine	0 - 3 to 2000 PPM	13. Nitrogen Dioxide	0 - 30 to 100 PPM
4. Fluorine	0 - 1 to 10 PPM	14. Ammonia	0 - 300 PPM
5. Hydrogen Chloride	0 - 5 to 15 PPM	15. Organic Solvents / Vapours	Depending on component
6. Hydrogen Fluoride	0 - 5 to 15 PPM	16. Oxygen	0 - 30% to 100%
7. Hydrogen Cyanide	0 - 10 to 100 PPM	17. LPG / CNG / H2 Combustible Gases	0 - 100% LEL or 0 - 100% V/V
8. Carbon Dioxide	0 - 05% to 20%		
9. Carbon Monoxide	0 - 50 to 4000 PPM		
10. Sulphur Dioxide	0 - 10 to 2000 PPM		

The above parameters and ranges are indicative only. Endee will configure the instruments to suit any practical application.

Note : Specifications and Features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. Due to endee's commitment to research, design and product improvement, specifications are subject to change without notice.



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