

FIXED GAS ANALYZER

A COMPLETE VERSATILE, MULTI - FEATURED, MICRO-CONTROLLER BASED GAS ANALYZER FOR ONLINE MEASUREMENT OF GASES



CA - 2000 MULTI GAS ANALYZER

The Model CA - 2000 series gas analyzer is suitable for the continuous measurement of the concentrations of gases such as CO, CO₂, SO₂, HF, HCL, CL₂, NO, CNG, O₂, CH₄, H₂, H₂S, NH₃, HCN, O₃.

Maximum number of sensors depends on sensor technology required.

The simplicity of operation makes CA - 2000 analyzer, a valuable aid for continuous use in various applications, changing the measuring parameters.

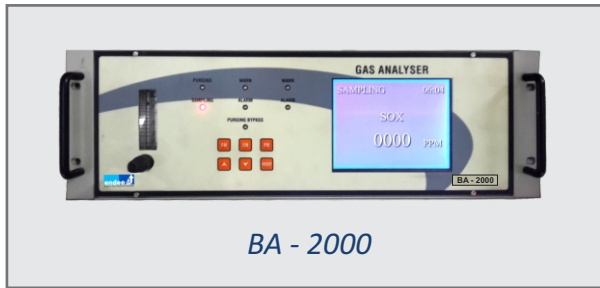
Its versatile modular design permits configuration and up-gradation to suit specific needs of customer in selection of gases to be measured.

SPECIAL FEATURES

- Sample conditioning system offered as per the application
- Complete automatic operation
- 4" Graphical display which includes circuit tests & sampling flow rate
- Self diagnostic check facility
- Mere six keys to operate the complete instrument

APPLICATIONS

- Environment Industry
- Medical Engineering and Research
- Agriculture Biomass
- Automobile
- Clean room Monitoring
- Shipping Industry
- Stack or exhaust gas analysis
- Power & industrial plants
- Coke oven
- Fuel efficiency / optimization of combustion
- Process analysis



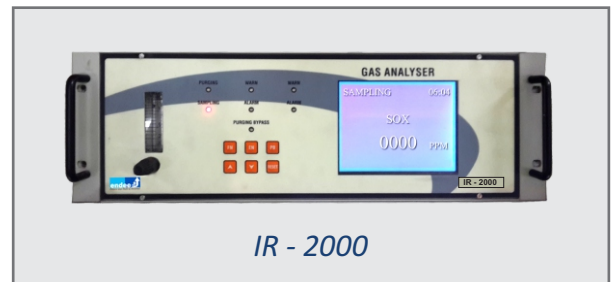
BA - 2000

The treatment of biogas produces a gas with a high percentage of methane (bio-methane). Quite different methods are used for this, which are all based on the separation of methane and carbon dioxide. This separation process as well as the end product must be monitored to enable infeed in the natural gas network according to the network specification.

Endee's Biogas Analyser - BA 2000 has been specifically designed for biogas monitoring and analysis. As standard the BA 2000 will measure the 4 main gases present within biogas namely CH₄, CO₂, O₂ and CO.

IR - 2000

This NDIR unit provides continuous operation and can selectively measure and display the concentrations of several different gas components. The NDIR (Non-Dispersive Infrared Absorption) measuring principle is based on the absorption of infrared radiation by heteronuclear molecule gases with several atoms. Optimum sensitivity and high selectivity with regard to other components in the measurement gas are achieved by means of opto-pneumatic radiation receivers.



SPECIFICATIONS

Type	:	Rack / panel mount
Detectable gases / parameters	:	Toxic, Combustible, O ₂
Electronics / processor	:	Micro-controller
Power supply	:	230 V AC
Display	:	Graphic LCD
Alarm	:	Controlled alarms
Output	:	4 - 20 mA Standard, Individual relay
Digital Output	:	RS - 232, RS - 485, MODBUS, ETHERNET port
Technology	:	1. Sensor Specific (Electrochemical/TCD/PID) 2. Infra-red Technology (NDIR)
Resolution	:	1 mg/m ³ , 1 PPM, 1% V/V, application defined
Accuracy	:	± 2 % FS
Response time	:	Sensor dependent
Operating temperature	:	0 - 55 °C
Sampling / input	:	Direct plug-in through sampling system / 4 - 20 mA
Housing / case	:	19" rack mounting
Enclosure	:	Aluminum casing (power coated) for indoor application
Warm up time	:	Analysis / detector dependent
Physical dimensions	:	43.3 x 26 x 15.2 cm

Note : Images shown are indicative only. Specifications and Features will vary with application. There may be changes overtime due to continuous development process.
@ 2018