

# PORTABLE BIOGAS ANALYSER / MONITOR



**A COMPACT RUGGED & INTELLIGENT INSTRUMENT FOR ANALYSIS  
OF PROCESS GASES IN BIOGAS PLANTS**



**MODEL GAP 2008 B**

A continuous surveillance of the produced biogas is necessary to efficiently control the production process of a biogas plant. Methane, Residual oxygen, carbon dioxide & hydrogen sulphide in the gas stream can be measured simultaneously or singularly with GAP 2008 B.

Its simple automatic operation, continuous measurement and digital display of gas and makes it a valuable aid for on-site instant analysis and follow up action. Its data logging & the computer interface facility is helpful for further detailed analysis in laboratory.

## **SPECIAL FEATURES**

- Complete automatic operation.
- Self diagnostic check.
- Application specific sensor technologies.
- Continuous, stable alphanumeric display
- Long life rechargeable batteries
- Data logging and RS 232 output capability.

## **APPLICATIONS**

- Process surveillance of the fermentation of biogas.
- Optimization of the calorific value.
- Protection of the gas turbines from high hydrogen sulphide concentrations.
- Differing customer specific measuring requirements upon request.

## **OPERATION**

- On Start Up, The Instrument Automatically Goes Through Complete Self Integrity Check Calibration Check On Demand.
- Digitally Displays The Results Instantly.

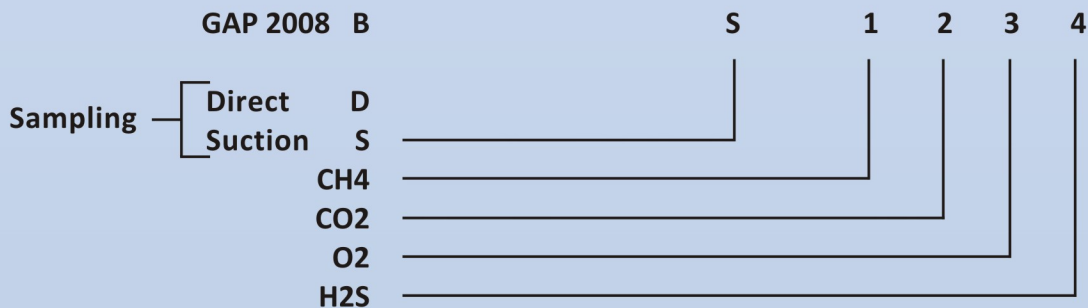
## SPECIFICATION

Display	:	Alphanumeric LCD 2 X 16
Sampling	:	Direct Plug In, Suction Optional
Calibration	:	Automatic zero & span with Calibration gases
Response Time	:	<10 seconds at 95% variant
Power Supply	:	Internal Ni-cad battery
Working Temperature	:	- 5 Deg. C to 55Deg. C
Storage Temperature	:	- 20 Deg.C to 45 Deg. C
Case	:	High Impact Plastic
External Dimension	:	225 X106 X40 mm approximately
Weight	:	750 gm (Gross)
Output	:	Digital, RS 232
Accessories	:	Battery charger, operation manual

## MEASURING RANGE

PARAMETER	SENSOR	RANGE (Nom / Max.)	RESOLUTION	ACCURACY
METHANE (CH4)	TCD / IR	0-100 %	0.1 %	0.5 %
CARBON DIOXIDE (CO2)	TCD / IR	0-50 %	0.1 %	0.5 %
OXYGEN (O2)	EC	0-25 %	0.1 %	0.5 %
HYDROGEN SULPHIDE (H2S)	EC	0-1000 / 10,000 PPM	1 PPM	0.5 %

## ORDERING INFORMATION



**The above Parameter and Ranges are only indicative. Endee will build up and supply the analyser with Parameters, range and features to any Practical Configuration.**

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.