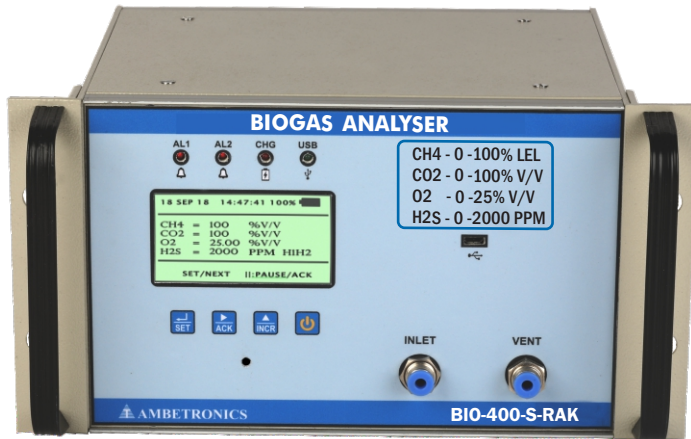


# BIOGAS ANALYSER - RACK MOUNT



Actual image and size may slightly differ

## Applications

- Greenhouse gas measurement
- Biogas plant
- Farm digester gas monitoring
- Food processing biogas monitoring
- Waste water biogas monitoring
- Methane recovery

## Features

- Digital display of CH<sub>4</sub>, CO<sub>2</sub>, O<sub>2</sub> H<sub>2</sub>S Concentration on the graphic LCD display with backlight
- NH<sub>3</sub>, CO & H<sub>2</sub> Gas as per requirement
- Plug-in Sensor provides a full year of warranted protection against hazardous gases
- Calibration due indication and alert
- Easy handling and programming with 3 keys and one key for power ON/OFF
- Password protected function menu
- Power supply with rechargeable battery
- LOW, HIGH, STEL and TWA configurable alarms with buzzer and vibrator alerts and LED indications.
- Small, compact and light-weight
- Software calibration totally by using front keys
- Optional data logging facility with 50000 records & visible in ASCII format while downloading to PC via USB interface
- Battery status indication on the LCD display with battery charging LED indication and BAT low indication with Buzzer

## TECHNICAL SPECIFICATIONS

### General Specification

Detection Method	: Suction
Display	: LCD with settable backlight
Set Point	: Two independent set points, AL1 & AL2 with LED indication facility only
Setting	: Setting by 3 keys on front panel i.e. (SET, SHIFT/ACK, INCR) Integrated Buzzer and Vibrator for Alarm Violation

### Sensor Range/Resolution/Accuracy max (Indication/FS)

Sensor Technology	: NDIR & Electrochemical
CH <sub>4</sub> (NDIR)	: 0-100% V/V /1 ±2%
CO <sub>2</sub> (NDIR)	: 0-100 % V/V /1 ±10%
O <sub>2</sub> (Electrochemical)	: 0-25% V/V /0.01 ±2%
H <sub>2</sub> S (Electrochemical)	: 0-2000 PPM /1 ±2%
NH <sub>3</sub> (Electrochemical)	: 0-1000 PPM /1 ±2%
H <sub>2</sub> (Electrochemical)	: 0-2000 PPM /1 ±2%
CO (Electrochemical)	: 0-1000 PPM /1 ±2%

### Electrical

Battery	: Li-Polymer, Rechargeable Battery, 8 hours of runtime on full charge
Charger	: Input : 100-240V AC, 50-60 Hz Output : 5V, 500mA Max

### Output Signal

Optional	: 50000 records Logging capacity with data can be visible in ASCII format while downloading in the PC
Setting	: Over / Open Range indication on LCD
Download	: Through USB/Bluetooth interface

### Environmental

Operating Temp.	: 0 to 50°C	Atmospheric pressure : 700 mbar to 1200 mbar
Storage Temp.	: 0 to 60°C	
Humidity	: Below 95% RH, Non condensing	

### Free Accessories

- Operating Manual
- Battery charger

### Accessories (optional)

- Calibration cap
- Gas sensing Probe : Std. size 5" (specify for other size)
- Gas Sampling Hose : PVC/Silicon Std length : 2 mtr. (specify for other length)

### Enclosure Details

Size (external)	: 260 mm (L) x 135 mm (H) x 220 mm (D)
Weight	: 2.2 kg max

Manufactured by :

**AMBETRONICS ENGINEERS PVT. LTD.**

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