

PORTABLE BIOGAS ANALYSER

Features

- Digital display of CH₄, CO₂, O₂, H₂S Concentration on the graphic LCD display with backlight
- NH₃, CO & H₂ 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

Applications

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

Actual image and size may slightly differ



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 Technology1	Range	Resolution	Accuracy
CH ₄ (NDIR)	0-100% V/V	1	±10%
CO ₂ (NDIR)	0-100 % V/V	1	±10%
O ₂ (Electrochemical)	0-25% V/V	0.01	±2%
H ₂ S (Electrochemical)	0-500 PPM	1	±2%
*NH ₃ (Electrochemical)	0-1000 PPM	1	±2%
*H ₂ (Electrochemical)	0-2000 PPM	1	±2%
*CO (Electrochemical)	0-1000 PPM	1	±2%

(Note : * - Optional)

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 : 100000 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

Environmental

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

Free Accessories

- Operating Manual
- Battery charger
- Gas sensing Probe : Std. size 5" (specify for other size)
- Gas Sampling Hose : Teflon, Std length : 2 mtr. (specify for other length)

Enclosure Details

Size (external) : 174mm (H) x 406 mm (W) x 330 mm (D)
 Weight : 5 kgs max

Manufactured by :

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