BIO-400-S-PANEL

Biogas Analyser - Panel







- Greenhouse gas measurement
- Biogas plant (Purified Gas / Raw Gas)
- · Farm digester gas monitoring
- . Food processing biogas monitoring
- Waste water biogas monitoring
- Methane recovery



- Infrared sensor technology design & developed in India
- Digital display of CH₄, CO₂, O₂ H₂S Concentration on the graphic LCD display with backlight
- Dew Point sensor, NH₃, CO & H₂ Gas as per requirement (Optional)
- Plug-in Sensor provides a full year of warranted protection against hazardous gases
- Calibration due indication and alert
- User friendly, programming with 3 keys
- Password protected function menu
- LOW & HIGH configurable alarms with LED indications.
- Software calibration totally by using front keys
- Data Logging facility with 1,00,000 records & visible in ASCII format while downloading to PC via USB interface (in Excel format)
- Self purging technology via 2 keys press
- **Optional Calibration Kit**

TECHNICAL SPECIFICATIONS

General Specification

Detection Method : Suction/pressurised (depend on application)

3 keys LCD with settable backlight Display

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)

for Alarm Violation

Less than 30 seconds Response Time

Warm-up Time 60 seconds

Electrical

Supply Voltage : 230 VAC ± 10%

Output Signal

Download : 100000 records Logging capacity with data can be visible in

> ASCII format while downloading in the PC & Through USB/Bluetooth interface RS - 485 MODBUS RTU

Setting Over / Open Range indication on LCD Output · 2 Relay outputs for LOW & HIGH alarm

. RS-485 MODBUS RTU output

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

Sensor Technology1	Range	Resolution	Accuracy
CH₄ (NDIR)	0-100.0% V/V	0.1	±2%
CO ₂ (NDIR)	0-100.0% V/V	0.1	±2%
0 ₂ (Electrochemical)	0-25.00% V/V	0.01	±1%
HŞ (Electrochemical)	0-2000 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%
*Dew Point Sensor	PPM / °C	-	-

(Note: * - • Optional

- Other than above mentioned ranges please contact to our factory)
- For better accuracy sample should be DRY & CLEAN GAS.
- · Accuracy measured as per calibration cylinder.
- For Dew Point Range & Accuracy please contact to our factory.

Environmental

: 0 to 50°C Operating Temp. Storage Temp. 0 to 60°C

Humidity

Below 95% RH, Non condensing (40% to 60% RH recommended)

Free Accessories

- Operating Manual
- · Consist of 2 way Valve built in sample pump, Filters, Flow meter, Solenoid Valve, with isolations in supply.

Enclosure Details

Cabinet Material

Size (external) : 600 mm (L) x 600 mm (H) x 400 mm (D)

Weight : 40 kg max

Manufactured by:





















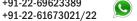


Atmospheric pressure:

700 mbar to 1200 mbar











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