



## gas analyser BIOLYZER

**Part no. 69643**

**Gas analysis system for discontinuous measurement**

### benefits

- for discontinuous measurement
- ideal for biogas plants
- monitors up to four gas components
- compact wall mounting housing system ready for installation

### Application

For discontinuous analysis and regular process monitoring of biogenous process gases such as biogas, sewage gas and landfill gas. All important gas types such as methane, hydrogen sulphide, oxygen and carbon dioxide can be monitored.

### Description

Gas measuring system for discontinuous, selective measurement and indication of up to four different gas components (CH<sub>4</sub>, H<sub>2</sub>S, O<sub>2</sub> and CO<sub>2</sub>). CH<sub>4</sub> and CO<sub>2</sub> are detected by means of infrared technology, O<sub>2</sub> and H<sub>2</sub>S by means of electrochemical sensors. All components are integrated in a robust wall mounting housing. BIOLYZER features an LED display, status indicators for each measurement channel as well as a lit LC display. The memory has a history function, the values can be displayed. With freely adjustable alarm thresholds and binary outputs for: active, error, calibration, alarm. The gas treatment system with all important components (gas cooler with hose pump, fine filter, aerosol filter, rotameter with needle valve, anti-detonation device) is integrated in a robust, air-flushed wall mounting housing. BIOLYZER is delivered complete with wiring, hoses, calibration and ready to be mounted.

**BIOLYZER LT** is suitable for simple routine checks. Version without gas cooler and load limitation for hydrogen sulphide measurements. Therefore, the standard measuring range is 0 to 1,000 ppm H<sub>2</sub>S.

### Technical Specifications

#### gas types/measuring ranges

CH<sub>4</sub>: 0/100 Vol.-%  
 CH<sub>4</sub>: IR double beam  
 CO<sub>2</sub>: 0/100 Vol.-%  
 CO<sub>2</sub>: IR double beam  
 O<sub>2</sub>: 0/25 Vol.-%  
 O<sub>2</sub>: electrochemical  
 BIOLYZER  
 0/5000 ppm  
 H<sub>2</sub>S: electrochemical  
 Measuring intervals can be programmed for the individual gas types.  
 Manual measurement is possible at all times.

#### Indicator

4-digit LED: Status indicators for each channel,  
 4-digit LED: Data memory can be read via RS 232

#### Communication

RS 232  
 1 analogue output per gas type, output 4–20 mA, linearised  
 data memory with history function

#### Operating temperature range

Ambient: 10/40 °C  
 Storage: -25/+50 °C

#### Supply voltage

AC 230 V, 50 Hz  
 optional: AC 115 V, 60 Hz  
 Power input: max. 85 VA

#### Dimensions

W x H x D: 300 x 400 x 185 mm

#### Degree of protection

IP 54 (EN 60529)

## Versions

Part no.

|                          |                                                                          |   |       |
|--------------------------|--------------------------------------------------------------------------|---|-------|
| gas analyser<br>BIOLYZER | for CH <sub>4</sub> , H <sub>2</sub> S, O <sub>2</sub> , CO <sub>2</sub> | ● | 69643 |
|--------------------------|--------------------------------------------------------------------------|---|-------|

- in-stock items
- Non-stock items