

Gas analysis system BIOLYZER for discontinuous measurement



- 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 (CH₄, H₂S, O₂ and CO₂). CH₄ and CO₂ are detected by means of infrared technology, O₂ and H₂S by means of electrochemical sensors. All components are integrated in a robust wall mounting housing. BIOLYZER features LED displays, 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 H₂S.

Technical specifications

Gas types/measuring ranges

CH₄ 0/100 % by vol., IR double beam
 CO₂ 0/100 % by vol., IR double beam
 O₂ 0/25 % by vol., electrochemical
 H₂S 0/5,000 ppm, electrochemical
 Measuring intervals can be programmed for the individual gases. Manual measurement is possible at all times.

Indication

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

Communication

RS 232, analogue output for each gas type, output 4–20 mA, linearised, data memory

Operating temperature range

Ambient: 10/40 °C

Supply voltage

230 V / 50 Hz
 Optional: 115 V / 60 Hz
 Power input: Max. 85 VA

Dimensions

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

Degree of protection

IP 54 (EN 60529)

PG: 4	Part no.	Price €
Gas analyser BIOLYZER for CH ₄ , H ₂ S, O ₂ , CO ₂	69643	
Gas analyser BIOLYZER for CH ₄ , H ₂ S, O ₂	69644	
Gas analyser BIOLYZER for CH ₄ , H ₂ S	69645	
Gas analyser BIOLYZER LT for CH ₄ , H ₂ S, O ₂ , CO ₂	69646	
Gas analyser BIOLYZER LT for CH ₄ , H ₂ S, O ₂	69647	
Gas analyser BIOLYZER LT for CH ₄ , H ₂ S	69648	
Options (extra charges)		
Profibus DP for BIOLYZER	69637	
Sampling point selector MSU	69636	
Continuous measurement BIOLYZER	61850	

Blue part no. = in-stock items