Gas analyser BIOLYZER 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.

Versions

	Part no.
Gas analyser BIOLYZER for CH_4, H_2S, O_2, CO_2	69643
Gas analyser BIOLYZER for CH_4, H_2S, O_2	69644
Gas analyser BIOLYZER for CH_4, H_2S	69645
Gas analyser BIOLYZER LT for CH_4, H_2S, O_2, CO_2	69646
Gas analyser BIOLYZER LT for CH_4, H_2S, O_2	69647
Gas analyser BIOLYZER LT for CH_4, H_2S	69648

Blue part no. = in-stock items

Description

Gas measuring system for discontinuous, selective measurement and indication of up to four different gas components (CH_4, H_2S, O_2 and CO_2). CH_4 and CO_2 are detected by means of infrared technology, O_2 and H_2S 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_2S.

Technical specifications

Gas types/measuring ranges

CH_4:	0/100 Vol.-%
CH_4:	IR double beam
CO_2:	0/100 Vol.-%
CO_2:	IR double beam
O_2:	0/25 Vol.-%
O_2:	Electrochemical
H_2S	
H_2S:	Electrochemical
BIOLYZER:	0/5,000 ppm
BIOLYZER LT:	0/1,000 ppm

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, 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)