



Biogas Analyzer GMC Biogas 08



Bieler+Lang 
Gas Detection Systems



Bieler + Lang

Established in 1967, Bieler + Lang is your competent partner for gas measuring and detection systems. Since 1970 Bieler + Lang is producing gas measuring and detection systems and is continuously enhancing them.

Bieler + Lang is especially characterized through its long-time experience as an industrial manufacturer for electronic devices.

Our strengths are short workflow and delivery times. We guarantee constantly high quality standards through ISO-9001-certification by TÜV Management service and ATEX-certification.

The product range of Bieler + Lang comprises gas detection systems for the surveillance of potentially explosive facilities and equipment as well as the surveillance and warning of toxic hazards.

Special advantages of Bieler + Lang gas measuring and analysis systems are robust and cost-efficient design and high reliability. Our solutions for the analysis of the process gas of biogas plants extend our product portfolio.



Biogas Analysis

Analysis of process gases in biogas plants – Biogas Analyzer GMC Biogas 08 – a Bieler + Lang product

A continuous surveillance of the produced biogas is necessary to efficiently control the production process of a biogas plant.

Using a Bieler + Lang biogas analysis equipment the contents of methane, residual oxygen, carbon dioxide and hydrogen sulphide are measured in individually determined measuring cycles.



Typical Applications:

- Process surveillance of the fermentation of biogas and sewage gas
- Optimization of the calorific value
- Protection of the gas motors from high hydrogen sulphide concentrations
- Differing customer specific measuring requirements upon request

GMC Biogas 08 – An Analysis System you



Biogas Analyzer GMC Biogas 08

The following reasons suggest the use of a Biogas Analyzer GMC Biogas 08 from Bieler + Lang:

- Double infrared measuring bench for CH₄ and CO₂
- H₂S-Sensor in separate sample gas channel with individually determinable sample interval
- Overload protection for the H₂S-Sensor
- Good cost/performance ratio
- Easy to use, menu-driven operation
- Modular concept, good extension capabilities
- Low maintenance effort
- Integrated data logger for 1440 sets of data including data output via RS232 interface
- Active control of pump function prior to each measurement
- Automated zero-point calibration of the sensors prior to each measurement

Additional Options:

- Sample gas cooler with automated condensate drain: dehumidification by Peltier cooling. Output temperature of Sample gas: +5 degrees Celsius
- Relay module to switch external alarms
- Field bus module
- Measuring point switch for up to four suction points.
- Connection of up to two gas detectors for area monitoring

More Advantages of Bieler + Lang

With its sales and service hubs throughout Europe and in many more regions worldwide Bieler + Lang offers a convincing performance:

- On-site consultation and risk analysis
- Project planning
- Customer specific adaption of the Biogas Analyzer GMC Biogas 08
- Customizing by our pre-assembly staff
- Cost-efficient maintenance and spare part service



Biogas Analyzer GMC Biogas 08

can rely on 100 percent!

Technical Overview:

- Analysis of biogenous processes like the production of biogas, sewage gas or landfill gas
- Designed for a regular process control at the plant for biogas analysis
- Analyzed substances: CH₄, H₂S, CO₂, O₂
- Pressure and temperature compensation of the infrared measuring bench
- Detonation prevention according to EN 12874
- Redundant implementation of the cabinet ventilation
- Clearly laid out and easy operation
- Data logger for 1440 sets of data
- Output for all measurements as 4-20 mA electric signal
- Permanent measurement of CH₄, CO₂, and O₂ possible
- H₂S measuring intervall individually determinable
- Choice of German, French or English menu navigation



**Biogas Analyzer
 GMC Biogas 08**

Measurement Ranges:

Gas	Measurement Range
CH ₄	0 - 100 Vol %
H ₂ S	0 - 5.000 ppm
O ₂	0 - 25 Vol %
CO ₂	0 - 50 Vol %

Technical Data / Cabinet Dimensions:

cabinet: coated sheet steel housing
 cabinet dimensions: 700 x 500 x 200 mm
 weight: approx. 30 kg
 protection classification: IP 20



Diensten van EURO-INDEX

EURO-INDEX is fabrikant, importeur en distributeur van diverse A-merken op het gebied van test- en meetinstrumenten. Daarnaast leveren wij een groot aantal diensten om het gebruik van deze instrumenten in uw bedrijfsvoering te optimaliseren. Dit omvat uiteraard onderhoud, reparatie en kalibratie van de instrumenten, maar ook kennisdeling via EURO-INDEX Academy en verhuur van instrumenten.

Geautoriseerd Service Centrum

EURO-INDEX b.v. is van alle vertegenwoordigde merken een Geautoriseerd Service Centrum. Dit betekent dat uw instrumenten worden behandeld door technici die zijn opgeleid door de fabrikant en beschikken over de juiste gereedschappen en software. Er worden uitsluitend originele onderdelen toegepast en de garantie van uw instrument, evenals de certificering (ATEX, EN50379, etc.) blijven intact.

Kalibratielaboratorium

Het laboratorium in Nederland beschikt over een RvA accreditatie naar EN-ISO/IEC 17025. Deze accreditatie geldt voor grootheden, zoals gespecificeerd in de scope bij accreditatienummer K105. RvA kalibratiecertificaten zijn internationaal geaccepteerd en is gelijkwaardig aan BELAC.



Mobiele Service

Naast de vaste kalibratielaboratoria in Zaventem en Capelle aan den IJssel beschikken wij ook over een laboratorium op wielen met de naam "Mobiele Service". Dit biedt vertrouwde service en kwaliteit, bij u voor de deur!

KWS®

KWS® is een uniek servicesysteem voor uw meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten. Via een gratis webportal (mijnkws.be) heeft u altijd en overal beschikking over uw kalibratiecertificaten.

Verhuur van meetinstrumenten

- Uitgebreid assortiment
- Nauwkeurigheid aantoonbaar door actueel kalibratiecertificaat
- Deskundig advies
- Complete levering inclusief accessoires

EURO-INDEX Academy

- Trainingen, seminars en workshops
- Demonstratie- en instructievideo's
- Application notes



Servicebalie



Onderhoud, reparatie en kalibratie



Trainingen en seminars



Mobiele Service

Wijzigingen voorbehouden EURO-INDEX® VL 23001



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