SEWERIN
Protecting Water, Gas and Life.

Reliably detect, warn and measure gas

Solutions for efficiently monitoring different gases in supply networks

Precise measurement technology for maximum safety and efficiency

Sewerin solutions help you detect gas leaks quickly and reliably. Sewerin has stood for precision and innovation in gas detection technology for over 100 years.We are committed to working with you to supply gas safely and efficiently.

Are you responsible for supply networks, expanding the hydrogen industry or operating biogas plants? We have the right solution for your field. Our measuring devices use state-of-the-art sensor technology such as electrochemical and infrared sensors and lasers to ensure maximum measurement accuracy.

This brochure provides you with a clear overview of our high-performance products, categorised according to your areas of application. Find out which device best meets your specific requirements – and how Sewerin technology can not only help you save time and money but also provide increased safety.

The icons below refer to the applications of the respective device.

Detecting Warning Measuring

Operator protection and safety for on-call emergency services

Your daily companion for working in the pipe network

Approval for operator protection in structure application.

EX-TEC® PM 580|550|500|400

Scan for detailed product information:

- Detect, warn and measure with one device (EX-TEC® PM 580)
- Simultaneously measure explosive gases and detect gas leaks (EX-TEC® PM 580)
- Approval for operator protection for structure applications
- Locate gas leaks quickly and precisely
- No more losing things: automatically records measurement values and saves the test report
- Nonane safety calibration plus JetFuel calibration (EX-TEC® PM 400)
- Intuitive menu navigation and easy to read display, even in direct sunlight
- Can be operated while wearing gloves – ideal for cold environments Shock-resistant and designed for harsh conditions

Pipe network inspection and monitoring

Easily distinguish between natural gas and non grid-bound gases – for all applications

Detect and pinpoint gas leaks in pipelines quickly and accurately.

EX-TEC® HS 680|660|650|610

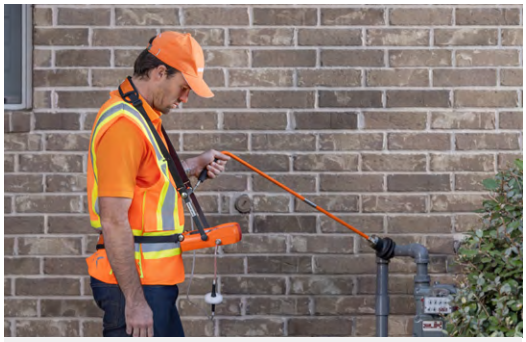
Scan for detailed product information:

- Multi-purpose gas measuring device for professionals
- Use the ethane detector to distinguish between natural gas and digester gas
- Work quickly thanks to highly sensitive sensors
- Accurately categorise gas leaks with the dual infrared CH_4/CO_2 measurement
- Optional sensors for O_2, CO and H_2S in enclosed spaces
- Compatible with SeCuRi® SAT documentation software

Cost-effective gas network inspection

Detect methane and other gases with high precision – with integrated ethane detector.

VARIOTEC® 480 EX|460 EX|450 EX|400 EX



Scan for detailed product information:

- Highly sensitive semiconductor sensors for measuring minute gas leaks in the ppm range
- Optional sensors for O_2 and CO available
- Low purchase and maintenance costs
- Ethane detector distinguishes between gas sources
- Compatible with SeCuRi® SAT documentation software

Use the vehicle to quickly and easily inspect pipe networks

Efficiently detect, evaluate and map gas indications along underground pipelines.

LaserGasPatroller LGP 900 | 800

Scan for detailed product information:

- TDLS technology for selective methane measurement
- Automated control using/via SeCuRi® SAT software
- Quick and easy maintenance thanks to modular design
- Compact and space-saving to be installed in any type of vehicle
- Automatic self-test ensures error-free operation
- Compatible with SeCuRi® SAT documentation software

Detect gas leaks from a distance of up to 200 m

Decide quickly and easily whether there is a gas leak.

SR-LD 800|200

Scan for detailed product information:

- Detect methane leaks at a distance of up to 200 m (SR-LD 800) or 120 m (SR-LD 200)
- Use for up to 13 hours without charging
- Extremely accurate because the SR-LD calibrates itself
- Extremely reliable as the zero point is continuously updated
- Distance measurement between detector and reflective surface (SR-LD 800)
- Simply aim at targets using the red dot sight
- Lightweight and easy to handle

Are you a professional? Inspect pipelines with the flame ionisation detector

Maximum efficiency thanks to reduced interference.

PORTAFID® M3-K

Scan for detailed product information:

- Automatic ignition with manual reignition option
- Zero point calibration for precise measurements
- Resistant to interference from moisture
- Specialised in the detection of hydrocarbons
- Linear measurement ensures accuracy and consistency
- Durable, rechargeable batteries
- Compatible with SeCuRi® SAT documentation software

Measuring devices for specialised applications

Check pipelines in natural gas and hydrogen networks using one single device

Measure methane and hydrogen simultaneously.

VARIOTEC® 660

Scan for detailed product information:

- Versatile use in natural gas, hydrogen and gas networks with hydrogen injection
- Determine hydrogen and natural gas concentrations directly on site
- Use ethane analysis to determine whether the gas is natural gas or biogas
- Work quickly thanks to highly sensitive sensors
- Explosion protection:
  TÜV 07 ATEX 553353 X
  Ex II 2G Ex db eb ib IIB T4 Gb,
  IIC when used with the TG8 carrying case
- Compatible with SeCuRi® SAT documentation software

It is easy to find gas leaks with this compact gas detector

Easy and safe to use for all users.

SNOOPER mini

Scan for detailed product information:

- Detects gas leaks from 0 to 22,000 ppm
- Quick diffusion sensor
- Specialised models for methane, propane or hydrogen
- Acoustic and numeric warning depending on gas concentration
- Replaceable sensor filter for longer life
- Quick commissioning for immediate leak detection
- Bright, backlit LCD display for easy reading
- High performance at an affordable price

Keep track of up to six gases at once

Trust a compact multi-gas warning device for any application.

Multitec® 520

Scan for detailed product information:

- Simultaneously measures up to six gases – ideal for diverse applications
- Selective infrared sensors for hydrocarbons and carbon dioxide
- Durable sensors for oxygen and toxic gases
- Menu-based device inspection with electronic documentation
- Can be flexibly configured to meet individual requirements
- Ergonomic design for ease of handling
- Robust housing for daily use in real conditions
- Easy to read colour display – even in unfavourable lighting conditions

Analyse process gases while protecting your team

Count on reliable gas measurement in biogas plants, sewage treatment plants and landfills.

Multitec® 560

Scan for detailed product information:

- Combination of gas warning device and gas measuring device in one system
- Precise measurement and documentation of gas composition
- Infrared measurement technology for exact results with biological process gases
- Automatic detection of explosive and toxic gases
- Ideal for personal protective equipment and process monitoring
- Large colour display with intuitive menu navigation
- Sturdy design for demanding environments
- Can also be reliably used in continuous operation

Get fresh air in the shaft in just a few minutes

Safely ventilate enclosed spaces – with explosion protected fan.

FLIS-EX

Scan for detailed product information:

- Explosion-protected ventilation device with 230 V connection
- 20 metre long connecting cable provides flexibility
- Two sturdy corrugated hoses, each approx. 2.3 m, for suction and pressure operation
- Extension hose contained in practical canister
- Reliable use in shafts, ducts and tight spaces
- Easy to handle – even while wearing personal protective equipment
- High air output for quick ventilation
- Reliable technology for everyday professional work

Test sets and test gases

Your calibration equipment

Easy to carry – perfect for your daily service work.

Scan for detailed product information:

ATS 503 / 501

The ATS lightens your workload: optimal device maintenance – device inspection, calibration and adjustment in one device.

- Automated, time-controlled or manual inspection and adjustment for EX-TEC® PM 580, 550, 500 and 400
- Three operating modes: Manual, automatic, timer
- Several test gas connections (three for ATS 503, one for ATS 501)
- Automatic adjustment for failed device inspections
- Recorded function tests
- Easy to configure using the GasCom software
- Flexible installation: upright or mounted on the wall

SPE test sets

Flexible solutions for testing and adjustment.

- From simple field tests to multi-gas applications – custom solutions for precise bump tests and settings
- Versatile use for different types of gas
- Simple operation for individual tests and settings
- Pressure and flow control
- Fresh air inlet
- Manometer for calibration gas container
- For test gas cans or bottles

Test gases

Stable calibration gas for precise measuring results.

- High-quality test gases with a shelf life of up to 36 months for reliable calibrations and bump tests
- Long-lasting composition for precises measurements
- Ideal for individual calibration and adjustment
- High stability for consistent quality

Professional probes

The choice is yours

Find the right probe for any application.

Flex probe HG5

+ Find gas leaks with one hand thanks to the flexible gooseneck

Bell probe D80

+ Search for gas leaks on paved surfaces

Flex hand probe / Telescopic hand probe

+ Flexible leak detection for two-handed operation (length 360 mm or 450 to 930 mm)

Telescopic bell probe D80

+ Gas leak detection on unpaved surfaces (extends to 1 m)

Hand probe

+ Compact and easy to use (length 900 mm)

SeGas GRP

+ Leak detection on hard to access, exposed pipelines (can telescope up to 4 m)

Floating probe

+ For monitoring shafts or enclosed spaces

Carpet probe PRO

+ Leak detection on paved surfaces
+ 100% coverage of pipeline corridor
+ Minimal environmental interference

Localisation probe PRO

+ No secondary air intake thanks to rubber cone
+ Reproducible measurements

Gas types

	CH_4	C_3H_8	C_4H_{10}	C_9H_{20}	C_2H_2	NH_3	JFuel	H_2	H_2S	CO	O_2	CO_2	Ethane detector	App-lication
EX-TEC® PM 580	✓	✓							✓	✓	✓	✓		
EX-TEC® PM 550	✓	✓							✓	✓	✓	✓		
EX-TEC® PM 500	✓	✓							✓	✓	✓	✓		
EX-TEC® PM 400	✓	✓		✓	✓		✓	✓		✓	✓	✓		
EX-TEC® HS 680	✓	✓	✓						✓	✓	✓	✓	✓	
EX-TEC® HS 660	✓	✓								✓	✓	✓	✓	
EX-TEC® HS 650	✓	✓	✓						✓	✓	✓	✓		
EX-TEC® HS 610	✓	✓									✓	✓		
SNOOPER mini	✓	✓						✓						
VARIOTEC® 660	✓							✓					✓	
VARIOTEC® 480 EX	✓	✓	✓							✓	✓		✓	
VARIOTEC® 460 EX	✓	✓								✓	✓		✓	
VARIOTEC® 450 EX	✓	✓	✓							✓	✓			
VARIOTEC® 400 EX	✓	✓												
PORTAFID® M3-K	✓													
SR-LD 800/200	✓													
Multitec® 520	✓					✓			✓	✓	✓	✓		
Multitec® 560	✓								✓	✓	✓	✓		
LaserGasPatroller 900/800	✓													

Legend

Detecting Warning Measuring

Probes

	Flex probe HG5	Flex hand probe	Hand probe	Floating probe	Pinpointing probe PRO	Telescopic / bell probe D80	SeGas GRP	Carpet probe PRO	Telescopic hand probe
EX-TEC® PM 580	✓	✓	✓	✓					✓
EX-TEC® PM 550	✓	✓	✓	✓					
EX-TEC® PM 500	✓	✓	✓	✓					
EX-TEC® PM 400	✓	✓	✓	✓					
EX-TEC® HS 680		✓	✓	✓	✓	✓	✓	✓	✓
EX-TEC® HS 660		✓	✓	✓	✓	✓	✓	✓	✓
EX-TEC® HS 650		✓	✓	✓	✓				
EX-TEC® HS 610		✓	✓	✓	✓				
VARIOTEC® 660		✓			✓	✓	✓	✓	✓
VARIOTEC® 480 EX		✓	✓	✓	✓	✓	✓	✓	✓
VARIOTEC® 460 EX		✓	✓	✓	✓	✓	✓	✓	✓
VARIOTEC® 450 EX		✓	✓	✓	✓				
VARIOTEC® 400 EX		✓	✓	✓		✓	✓	✓	✓
PORTAFID® M3-K		✓	✓			✓		✓	

Together we are protecting both people and vital resources.

It is not always easy to stay current. The services we provide ensure that your devices are always ready to use, your networks are safe and your team is always up to speed. Whether you are interested in inspection services, training or custom vehicle solutions – we are here to support you with our expertise and experience.

Pipeline inspection

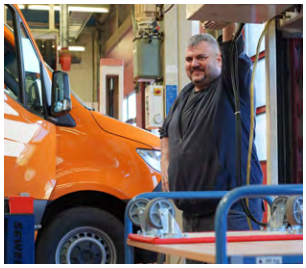
Unable or unwilling to carry out pipeline inspections on your own? No matter if your top priority is safety or you simply want to meet your reporting obligation arising from the EU Methane Regulation – our highly trained and experienced specialists will gladly support you. In addition to traditional pipe network inspection our service also includes precise pipeline location, particularly when it comes to plastic pipes using the innovative SeViRO method, as well as odorant control.

Device service

Your are protecting both human life and the environment. That is why it is so important for the technical solutions you use to always be reliable and ready for use. Our device service is here for you – we provide stationary measurements from Gütersloh, or mobile measurements at your site. We have nine service technicians that travel across the country. They will professionally service the devices and carry out minor repairs. This helps you minimise downtime.

Seminars

The European supply industry is undergoing massive changes. That is why it is all the more important for you and your staff to stay up to date. The Sewerin seminars bring together the theoretical knowledge of technology and regulations and its practical application in our training developed in house. Experienced instructors present the content to you clearly and are always up to date with the latest developments.



Vehicle upgrades

The efficiency of your work largely depends on having the right technical solutions. This holds true for devices as well as emergency and leakage service vehicles fitted out perfectly to meet your needs. Our experienced team plans and realises individual vehicle designs, perfectly tailored to your specific requirements. In so doing we pay particular attention to functionality, ergonomics and quality so that your mobile workstation is as efficient and convenient as possible.

Building services

Do you want to focus on your core business? The building services department at Sewerin Service GmbH takes over the regular inspection and maintenance of gas and water installations as well as electrical systems in various buildings for you. Our range of services covers the monitoring and technical servicing of installation plants, gas pressure regulating devices and meter replacement. Preventative maintenance measures allow us to ensure the safety and longevity of your building services systems.

Do you have questions? Call us.

Which solution is right for your challenge? How do you efficiently tackle the safety inspection and reporting obligation required by the European Methane Regulation. Let’s talk. Our service and sales team will gladly support you.

Hermann Sewerin GmbH
Robert-Bosch-Straße 3
33334 Gütersloh | Germany
+49 5241 934-0
info@sewerin.com
sewerin.com

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