



# ***Reliably detect, warn and measure gas***

Solutions for efficiently monitoring different gases  
in supply networks



# ***Precise Measurement Technology for Your Maximum Safety***

For decades, Sewerin has been known for precision and innovation in gas detection technology. Our solutions help network operators, industrial companies and service technicians to detect leaks quickly and reliably – for a safe and efficient gas supply.

Whether in supply networks, the hydrogen industry or biogas plants – Sewerin offers the right measuring device for every application. Our devices use state-of-the-art sensor technology, including laser, electrochemical and infrared sensors, to ensure maximum measurement accuracy. This brochure gives you a clear overview of our high-performance products, categorized by application. Find out which instrument best meets your specific requirements – and how Sewerin technology can help you save time, reduce costs and ensure safety.

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



Detecting



Warning



Measuring









# Personal Protection and Safety for Emergency Response Technicians



## **Your CGI Device for Any Gas Leak Detection Challenge**

Reliable gas detection, measurement, and safety testing for all applications.

**EX-TEC® PM 580 | 550 | 500 | 400**



Scan for  
detailed product  
information:



- + Gas warning, detection, and measurement in one device (EX-TEC® PM 580)
- + Simultaneous CGI measurement and leak detection (EX-TEC® PM 580)
- + Quick and precise leak localization
- + Automatic measurement recording plus test report storage
- + Safety calibration to nonane plus calibration to JetFuel (EX-TEC® PM 400)
- + Intuitive menu and sunlight-readable display
- + Usable with gloves – ideal for cold environments
- + Impact-resistant and built for tough conditions
- + UL/CSA approved

# Pipeline Inspection and Network Survey

## ➤ **Gas Leak Detection with Integrated Ethane Gas Analyzer for All Applications**

Detect and pinpoint gas leaks in pipelines ensuring fast and precise results.

**EX-TEC® HS 680 | 660 | 650 | 610**



- + Multi-purpose gas detector for professionals
- + Ethane Gas Analyzer distinguishes natural gas from digester gas (e. g. marsh, soil, landfill, and sewer gas)
- + Highly sensitive sensors for rapid detection
- + Dual infrared CH<sub>4</sub>/CO<sub>2</sub> measurement for accurate leak grading
- + Optional sensors for O<sub>2</sub>, CO and H<sub>2</sub>S in confined spaces
- + Compatible with SeCuRi® SAT documentation software



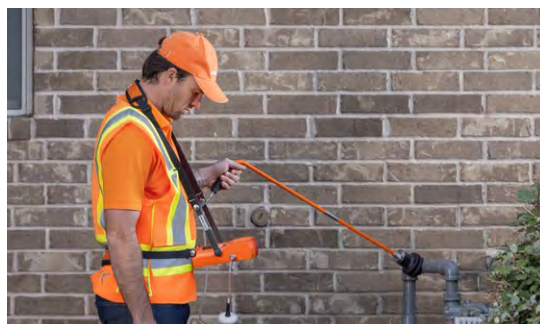
Scan for detailed product information:



## ➤ **Cost-effective Gas Network Inspections**

Detect methane and other gases with high precision – includes an integrated ethane analyzer.

**VARIOTEC® 480 EX | 460 EX | 450 EX | 400 EX**



- + Catalytic and thermal conductivity sensors for reliable detection
- + Highly sensitive sensors detect ppm-level gas leaks
- + Optional sensors for O<sub>2</sub> and CO
- + Low acquisition and maintenance costs
- + Ethane gas analyzer differentiates gas sources
- + Compatible with SeCuRi® SAT documentation software



Scan for detailed product information:



## **Vehicle based Network Survey**

Vehicle-mounted system for the efficient detection, assessment and mapping of gas leaks along underground pipelines.

### **LaserGasPatroller LGP 900 | 800**



Scan for  
detailed product  
information:



- + Detect methane – no interference with other gases
- + Trace and record emissions
- + Automated control via SeCuRi® SAT software
- + SeCuRi(R) SAT also consolidates measurements of vehicle-based and manual leak detection on foot. One consistent data base is the result.
- + Modular design for quick and easy maintenance
- + Compact, space-saving construction
- + Automatic self-test ensures error-free operation



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## **Remote Laser Detection for Short and Long Distances**

Decide effortlessly whether there is a leak or not.

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**SR-LD 800 | 200**



- + Detects methane leaks up to 650 ft. (SR-LD 800) or 390 ft. (SR-LD 200)
- + Up to 13 hours of operation for uninterrupted use
- + High accuracy by integrated self calibration
- + Continuous zero-point updates for reliable detection
- + Distance measurement between detector and reflective surface
- + Red dot sight for easy aiming at the target
- + Lightweight and handy

## **Flame Ionization Detector for Natural Gas Leak Surveys**

Maximum efficiency by zero false readings.

**PORTAFID® M3-K**



- + Automatic ignition with manual reignition option
- + Zero-point calibration for precise measurements
- + No cross-sensitivity to moisture
- + Detects only hydrocarbons
- + Linear measurement ensures accuracy and consistency
- + Long-lasting rechargeable batteries
- + Compatible with SeCuRi® SAT documentation software
- + Comfortable to carry

Scan for  
detailed product  
information:





# Instruments for Specialized Applications

## ➤ Ethane Gas Analyzer for Gas Composition Analysis

Avoid excavation errors due to false readings.

**VARIOTEC® EGA**



- + Differentiates natural gas from digester gas
- + Precisely measures  $\text{CH}_4$ ,  $\text{C}_2\text{H}_6$ ,  $\text{C}_3\text{H}_8$  for environmental and industrial applications
- + Simple operation with clear user guidance
- + Fast on-site ethane analysis without lab testing (get results within just 4 minutes)
- + Saves time and costs by eliminating sample transport
- + Measurement reports can be stored on a PC

Scan for  
detailed product  
information:



## **Compact Gas Detector for Quick Leak Detection**

Easy and simple handling for any operator.

**SNOOPER mini**



Scan for  
detailed product  
information:



- + Detects leaks from 0 - 22,000 ppm
- + Super-fast diffusion sensor
- + Specialized models for methane, propane, or hydrogen
- + Audible and numerical warnings based on gas concentration
- + Replaceable sensor filter for extended lifespan
- + Fast startup for immediate leak detection
- + Bright, backlit LCD for easy reading
- + High performance at an affordable price



## **The Hydrogen Specialist for Leak Detection and Measuring**

The ideal device for detecting the smallest traces of gas after an unstable pressure test.

**VARIOTEC® 460 Tracergas**



Scan for  
detailed product  
information:



- + Rapid surface leak detection via hydrogen tracing
- + Pinpoints leaks in boreholes with precision
- + Minimal cross-sensitivity to moisture and methane
- + Digital display for clear and accurate results
- + Outstanding sensitivity from 0.1 ppm - 100 vol. %

# Test sets and test gases

## Calibration Equipment

Lightweight, portable, and perfect for daily service operations.



Scan for  
detailed product  
information:



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### ATS 503 / 501

More than a bump test: bump test, calibration and adjustment.

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- + Automated, time-controlled or manual testing and adjustment for EX-TEC® PM 580, 550, 500 and 400
- + Three operating modes: manual, automatic, timer
- + Multiple test gas connections (three for ATS 503, one for ATS 501)
- + Automatic adjustment if test is not passed
- + Logged function tests
- + Simple configuration via GasCom software
- + Flexible installation: upright or wall-mounted



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### SPE test sets

Flexible solutions for testing and adjustment.

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- + From simple field tests to multigas applications - customized solutions for precise display tests and adjustments
- + Versatile use for different gas types
- + Simple operation for individual tests and adjustments
- + Pressure and flow control
- + Fresh air inlet
- + Pressure gauge for calibration gas can
- + Flexible gas cans or high pressure gas cylinders



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### Test gases

Long-term stable calibration gas for precise measuring results.

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



# Professional probes

## The choice is yours

Find the right probe for any application.

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### Flexible Probe HG5

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- + One-handed leak detection with flexible gooseneck (length 35 inch)

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### Bell Probe D80

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- + Leak detection on unpaved surfaces

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### Flexible/Telescopic Hand Probe

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- + Flexible leak detection for two-handed operation (length 14 inch, resp. 17 – 36 inch)

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### Telescopic Bell Probe D80

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- + Leak detection on unpaved surfaces (extends up to 3 ft)

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### Hand Probe

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- + Compact and easy to use

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### SeGas GRP Probe

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- + Leak detection on hard-to-reach exposed pipelines (extends up to 13 ft)

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### Floating Probe

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- + For monitoring shafts or cavities

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### Carpet Probe PRO

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- + Leak detection on paved surfaces
- + 100% coverage of the pipeline corridor
- + Hardly any cross-sensitivity due to environmental influences

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### Localization Probe D80

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

# Gas types

	CH <sub>4</sub>	C <sub>3</sub> H <sub>8</sub>	C <sub>4</sub> H <sub>10</sub>	C <sub>9</sub> H <sub>20</sub>	C <sub>2</sub> H <sub>2</sub>	NH <sub>3</sub>	JFuel	H <sub>2</sub>	H <sub>2</sub> S	CO	O <sub>2</sub>	CO <sub>2</sub>	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® 480 EX	✓	✓	✓							✓	✓		✓	  
VARIOTEC® 460 EX	✓	✓								✓	✓		✓	 
VARIOTEC® 450 EX	✓	✓	✓							✓	✓			 
VARIOTEC® 400 EX	✓	✓												
VARIOTEC® 460 Tracergas								✓						 
VARIOTEC® EGA	✓	✓											✓	
PORTAFID® M3-K	✓													
SR-LD 800/200	✓													

## Legend

 Detecting  Warning  Measuring



# Probes

	Flexible probe HG5	Flexible hand probe	Hand probe	Floating probe	Localisation probe PRO	Telescopic / bell probe D80	SeGas GRP prob	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® 480 EX		✓	✓	✓	✓	✓	✓	✓	✓
VARIOTEC® 460 EX		✓	✓	✓	✓	✓	✓	✓	✓
VARIOTEC® 450 EX		✓	✓	✓	✓				
VARIOTEC® 400 EX		✓	✓	✓		✓	✓	✓	✓
VARIOTEC® 460 Tracergas		✓	✓		✓	✓		✓	✓
VARIOTEC® EGA		✓	✓		✓				✓
PORTAFID® M3-K		✓	✓			✓		✓	





## ***Sewerin in the USA and Canada***



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Subject to technical changes.