



Finding water leaks efficiently

Professional solutions for water leak detection



Effective Leak Detection for Sustainable Water Management

Leaks in water networks can lead to high costs and loss of resources. Sewerin offers modern solutions for precise water leak detection – from acoustic methods to tracer gas technologies. Our systems are designed to efficiently reduce water losses and ensure a reliable supply.

Whether for supply networks, building installations or network monitoring – Sewerin has the right technology for every application. This brochure provides you with an overview of our high-performance products, clearly organized by application area. Find out which system best fulfils your requirements.





Acoustic Leak Detection

▷ Professional Solution for Advanced Applications

State-of-the-art technology for precise and fast leak detection.

AQUAPHON® system with A 200 receiver



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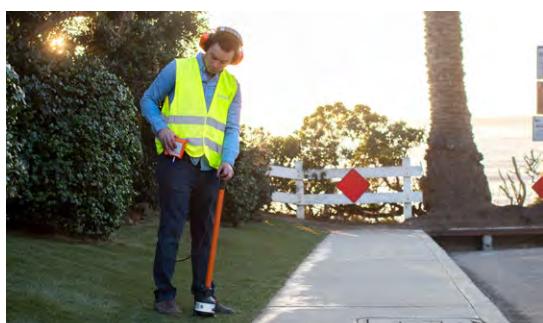


- + Fast, accurate acoustic leak detection
- + Integrated audio player enables users to compare stored samples with actual situations
- + Wireless headphones and Microphones allow free movement during use
- + High-quality sound filtering for perfect adaptation to operators' hearing preferences
- + Automatic hearing protection against sudden loud noises
- + High-performance microphones for perfect sound recognition
- + Portable, high-performance design
- + User-friendly touchscreen operation
- + Intuitive user interface
- + Documentation with WaterCom software
- + GNSS positioning

▷ Compact and Precise Acoustic Leak Detection

The AQUAPHON® A 150 is a versatile device for precise leak detection, featuring sensitive microphones and intelligent filters for mains and service lines.

AQUAPHON® system with A 150 receiver



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- + High-quality piezo microphones
- + Automatic frequency scan
- + Long-lasting rechargeable batteries (up to 50 hours)
- + Ultralight and ergonomic design
- + Wireless headphones minimize interference

➤ **The Entry-level System for Acoustic Leak Detection**

Lightweight and easy to operate, ideal for initial leak detection in the field with wireless technology for interference-free measurements.

AQUAPHON® system with A 50 receiver



- + Long-lasting rechargeable batteries (up to 50 hours)
- + Wireless headphones minimize interference
- + Adjustable frequency ranges
- + Ultralight and portable backpack solution



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➤ **Robust Test Rod for Fast On-site Leak Detection**

The AquaTest T10 is ideal for initial preliminary investigations in the field. Wireless design and highly sensitive microphone technology enable precise acoustic leak detection.

AquaTest T10



- + Wireless ground mic test rod combo
- + Superior noise quality
- + Visual noise display
- + No disruptive headphone noises
- + 8 preset filter levels
- + Available with or without SDR (Sewerin Digital Radio) module



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➤ **Compact Electronic Listening Device for Indoor and Outdoor Prechecks**

The Stethophon® 04 is a handy device for prelocation and pinpoint leak detection.

Stethophon® 04



- + Wireless headphones with digital transmission
- + Connects to external ground microphone
- + 8 preset filter levels
- + Hearing protection function
- + Numeric noise level display

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Correlators

➤ **High-performance correlator for metallic and non-metallic pipes**

The SeCorr® C 200 is a powerful correlator for fast and precise leak detection over long distances – optimized for all pipe materials and diameters.

SeCorr® C 200



- ⊕ Works with various pipe materials and diameters
- ⊕ High-performance microphones and hydrophones
- ⊕ Indicates peak quality in correlation
- ⊕ Automated filter optimization assists the operator to evaluate correlated results
- ⊕ Interference suppression ensures only best suitable sounds are used for correlation
- ⊕ Sound velocity measurement allows to reduce the influence of sound velocity to the correlation results
- ⊕ Portable, high-performance design
- ⊕ User-friendly touchscreen operation
- ⊕ Intuitive user interface
- ⊕ Documentation with WaterCom software



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➤ **Combination device for pre-location, localization and correlation**

The SeCorrPhon AC 200 combines three functions in one device: pre-location, pinpoint location and correlation for precise leak detection on buried pipes.

SeCorrPhon AC 200



- ⊕ Fast, accurate acoustic leak detection
- ⊕ Users can compare stored samples with actual situations
- ⊕ Wireless headphones and Microphones allow free movement
- ⊕ High-quality sound filtering
- ⊕ Automatic hearing protection against sudden loud noises
- ⊕ High-performance microphones for perfect sound recognition
- ⊕ Works with various pipe materials and diameters
- ⊕ High-performance microphones and hydrophones
- ⊕ Indicates peak quality in correlation
- ⊕ Assists the operator to evaluate correlated results
- ⊕ Reduces the influence of sound velocity to the correlation results
- ⊕ Portable, high-performance design and user-friendly touchscreen
- ⊕ Documentation with WaterCom software
- ⊕ GNSS positioning



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Network Monitoring

▷ **Radio Noise Logger for Mobile Water Network Monitoring**

The SePem® 155 enables early leak detection in water networks. Compact and flexible, it is managed with the SePem® 01 Master.

SePem® 155 with SePem® 01 Master



- ⊕ Battery life time of up to 5 years
- ⊕ Lift & Shift: Move the loggers easily within your water network
- ⊕ Highly sensitive microphones and hydrophones
- ⊕ Simple leak noise indicator
- ⊕ Covers up to 1,600 feet
- ⊕ Adaptable to different network types



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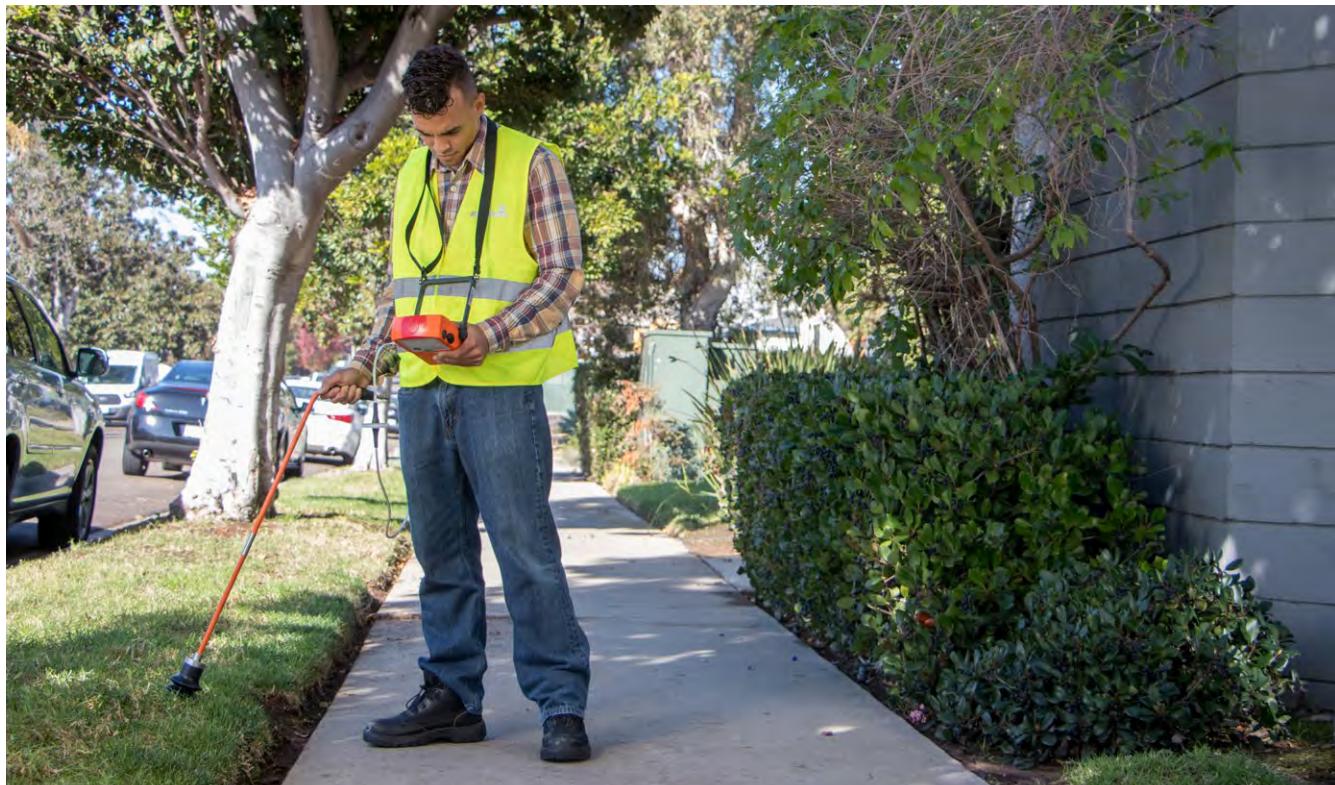


Leak Detection with Tracer Gas

For Challenging Leak Detection Tasks

The VARIOTEC® 460 Tracergas is a specialist in detecting leaks using hydrogen as a tracer gas. Its innovative sensor technology ensures precise and efficient results.

VARIOTEC® 460 Tracergas



- + Fast hydrogen-based surface leak detection
- + Pinpoint leaks in boreholes
- + Digital display for clear results
- + High sensitivity down to 0.1 ppm



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Microphones

Touch microphone ***TM 200***



- + For pre-locating leaks on fittings

BM 200 ***ground microphone***



- + For detecting leaks (pinpointing) and locating pipes on paved surfaces

BM 230 ***ground microphone***



- + For detecting leaks (pinpointing) and locating pipes on unpaved surfaces

UM 50 ***130/280 mm long***



- + For inspecting difficult to access exposed pipelines

Universal microphone UM 200 ***130/280/600 mm length***



- + For detecting leaks and locating pipes on paved and unpaved surfaces and on fittings

EM 35 ***piezo microphone***



- + For indoor leak detection

Microphone selection

Refer to this table to find the right microphone for your Sewerin product.

	Stethophon® 04	AQUAPHON® A 50	AQUAPHON® A 150	AQUAPHON® A 200	SeCorr® C 200	SeCorrPhon AC 200
TM 200			✓	✓		✓
BM 200			✓	✓		✓
BM 230			✓	✓		✓
UM 50 4.26 ft.		✓				
UM 200 4.26 ft.			✓	✓	✓	✓
UM 200 9.18 ft./19.68 ft.					✓	✓
EM 35	✓					



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