



# Sensistor XRS9012

Hydrogen Leak Detector

**THE MOST EFFECTIVE INSTRUMENT  
FOR LEAK DETECTION ON PIPES AND CABLES**

# Fast, reliable and robust for demanding environments

You know there is a leak, but where? All leaks cause operational interruptions, they harm the environment, cause financial losses and may endanger life. The faster and more accurately you can locate a leak, the more you stand to gain in time and profitability. With the reliable and sensitive Sensistor XRS9012 Hydrogen Leak Detector you can quickly locate any leak, whether the pipes or cables are hidden or buried.

## FAST AND RELIABLE IN ALL SITUATIONS

The Sensistor XRS9012 Hydrogen Leak Detector offers a highly sensitive and flexible leak detection system in a heavy-duty, smart and ergonomically designed package. The unique method involving the use of inexpensive forming gas (5% hydrogen and 95% nitrogen) as tracer gas, combines unparalleled locating properties with user-friendly technology, low costs and minimal service requirements.



To be able to detect both minor and major leaks Sensistor XRS9012 features a sensitivity adjuster to instantly adapt to any detection condition. The electronic sensor mounted in the probe tip responds instantaneously to the tracer gas, and additionally the instrument has a very short recovery time to enable new measurements to be performed immediately.

## FEATURES AT A GLANCE

- **Quick detection**  
High and adjustable sensitivity
- **Reliable detection**  
Highly selective hydrogen sensor
- **Ergonomic**  
Easy to carry and handle
- **Easy to use**  
Just press ON. Automatic switch-off
- **Quick charging in the car**  
5 minutes for 20 minutes of operation
- **Heavy-duty design**  
Waterproof aluminum casing (IP55)



## APPLICATIONS

### TELEPHONE CABLES

The Sensistor XRS9012, and its predecessor, has established an industry standard in leak detection on pressurized telephone cables – buried or ducted. Cable maintenance is improved thanks to shortened leak detection times, improved ergonomics and better functionality.

### GAS PIPELINES

The Sensistor XRS9012 is well-suited for leak detection on all types of gas pipelines. Thanks to its high sensitivity, even minute leaks can be detected with pinpoint accuracy.

### GAS-FILLED POWER CABLES

The Sensistor XRS9012 offers excellent opportunities to verify the intactness of gas-filled power cables and other equipment in the power industry, e.g., hydrogen-cooled generators.

### HEATING SYSTEMS

The Sensistor XRS9012 is able to locate the leak quickly, and it will minimize the scope of the repair works. Efficient leak detection opens up the possibilities for insurance companies to save considerable money.

### GAS STATIONS

Underground conduits between tanks and pumps are exposed to considerable mechanical stress from traffic. With the Sensistor XRS9012 it is easy to detect leaks in tanks and pump lines.

### WATER PIPES

The unit's high sensitivity makes it ideal for leak detection on live and emptied pipes, in all types of materials, thus saving time and minimizing the inconvenience to connected customers.

## ACCESSORIES

With a broad range of accessories, the XRS9012 can easily be adapted to any leak detection job.



### 8612 SURFACE PROBE

Detects leaks on buried and ducted cables and pipes by sucking tracer gas from the ground, street surface or floor before the gas dissipates.



### M12 WHEEL UNIT

An accessory to the 8612 Surface Probe, which facilitates leak detection on large surfaces.



### 8712 DUCT PROBE

For leak detection on ducted telephone cables. Sensor is situated at the tip of a 100 m (328 ft.) long fibreglass rod for instant sensor response.



### 8212 GROUND PROBE

For leak detection in tough environments such as gravel, snow, clay and sand.



### P12 HAND PROBE EXTENSION

Makes it easier to use the hand probe at ground level, or to simply extend its reach.



### H21 HAND PROBE

A standard accessory to the XRS9012. Small and robust, for easy and trouble-free leak detection.

## SPECIFICATIONS

Sensitivity	0.7 ppm H <sub>2</sub> in air
Response time	< 1 s
Warm-up time	< 10 s
Outputs	– 10-LED bar graph indicator – Earphone, standard 3.5 mm (1/8") jack, > 8 ohms
Battery type	Rechargeable lead batteries (gel electrolyte)
Battery capacity	13 hours at 20°C (68°F) , 6 hours at -20°C (-4°F)
Maintenance	Maintenance-free
Chargers	AC charger (100-240 VAC) Car charger (9-15 VDC)
Casing	Aluminum
Protection	Waterproof (IP55)
Dimensions	250 x 120 x 85 mm (9.85 x 4.75 x 3.35 in.) In carrying case: 260 x 220 x 95 mm (10.25 x 8.70 x 3.75 in.)
Weight	1.9 kg (4.2 lb) In carrying case: 2.5 kg (5.5 lb)
Ambient temperature range	-20 - 50°C (-4 - 122°F)

## ORDERING INFORMATION

	Part no.
Sensistor XRS9012 Hydrogen Leak Detector complete with nylon case, Probe H21, 3 m (9.8 ft) cable, mains input cable, waist belt, shoulder strap, earphones and cigarette lighter cable	590-012
8612 Surface Probe	590-040
M12 Wheel Unit	590-070
P12 Hand Probe Extension	590-080
8212 Ground Probe	590-020
8712 Duct Probe	590-051
H21 Hand Probe	590-200
Earphones	591-443
Cable C21, 3m (9.8 ft)	590-161
Cable C21, 6m (19.6 ft)	590-175
Cable C21, 9m (29.5 ft)	590-165
Battery (order 3 pcs for complete change)	591-294
Charger	591-300
12 volt Charger Adapter (for charging in car)	591-361



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Due to our continuing program of product improvements, specifications are subject to change without notice.

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