



Sensistor® XRS9012 Hydrogen Leak Detector

Locate leaks loud and clear.



The Faster a Leak is Detected, the More You Stand to Gain

You know there is a leak, but where? All leaks cause operational interruptions, they may harm the environment and cause financial losses. The faster and more accurately you can locate a leak, the more you stand to gain in time and profitability. With the 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. To be able to detect both minor and major leaks, the unit features a sensitivity adjuster to instantly adapt to any detection condition.

Sensistor XRS9012 has established a standard in maintenance that includes:

- **Pressurized telephone cables** — whether accessible or buried, Sensistor XRS9012

ADVANTAGES AT A GLANCE

- ✓ Quick detection through high and adjustable sensitivity
- ✓ Highly selective hydrogen sensor for reliable detection
- ✓ Easy to carry and handle
- ✓ Quick charging in the car (5 minutes for 20 minutes of operation)
- ✓ Heavy-duty design and waterproof aluminum casing (IP55)
- ✓ Proven method involving the use of inexpensive forming gas (5% hydrogen and 95% nitrogen) as tracer gas
- ✓ No moving parts and almost maintenance-free

improves cable maintenance thanks to shortened leak detection times and better functionality

- **Water and gas pipes**—Sensistor XRS9012 is ideal for leak detection on pipes, indoors and outdoors, in all types of materials, saving time and minimizing the inconvenience to connected customers
- **Gas-filled power cables**—Sensistor XRS9012 offers excellent opportunities to verify the intactness of gas-filled power cables and other equipment in the power industry
- **Heating systems**—Sensistor XRS9012 locates the leak quickly and minimizes the scope of the repair work

SENSISTOR SENSOR TECHNOLOGY

Sensistor XRS9012 incorporates the proven Sensistor sensor technology developed for using forming gas (5% hydrogen in nitrogen) as tracer gas. These hydrogen gas sensors, which rely on diffusion, are extremely sensitive and selective.



EASY TO USE

- Instant startup – press ON, let the LEDs light up and start searching
- Clear LED guidance – know exactly when to begin
- Up to 10 sensitivity levels for fast, precise leak detection

FAST AND INTUITIVE

- Very short recovery time allows fast, efficient leak pinpointing
- Instant tracer gas detection for seamless operation
- Sensor located at the probe tip for direct, responsive measurements



HEAVY-DUTY FOR DEMANDING USE

- Durable aluminum casing built for heavy-duty use
- Waterproof design (IP55)
- Handles tough environments and changing atmospheric conditions with ease

ACCESSORIES

H21 Hand Probe

Standard accessory for the Sensistor XRS9012 —compact, robust, and easy to use. Included in standard delivery.

P12 Hand Probe Extension

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



SENSISTOR® XRS9012 HYDROGEN LEAK DETECTOR

SPECIFICATIONS

Sensitivity	0.7 ppm H ₂ in air
Response time	<1 sec
Warm-up time	<10 sec
Outputs	10-LED bar graph indicator Earphone, standard 3.5 mm (1/8 in.) 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 V (ac) Car charger, 9-15 V (dc)
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

PRODUCT	CATALOG NUMBER
Sensistor XRS9012 Hydrogen Leak Detector complete with nylon case, Probe H21, 3 m (9.8 ft.) cable, waist belt, shoulder strap, earphones, 110-230 volt charger and car charger	590-012
ACCESSORIES	
H21 Hand Probe	590-200
C21 Probe cable	
3 m (9.8 ft.)	590-161
6 m (19.6 ft.)	590-175
9 m (29.5 ft.)	590-165
P12 Hand Probe Extension	590-080
Earphones	591-443
Battery (order three pieces for complete change)	591-294
Charger (110-230 volt)	591-300
12 volt Charger (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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