

Hydrogen Leak Detector 9012XRS



With the most efficient leak detector on the market you'll find leaks faster

Many leaks are so large they can be spotted with the naked eye. Others are so tiny, you'd need a microscope to spot them. Nevertheless, all leaks cause operational interruptions, they harm the environment, cause financial losses and may endanger life. The faster a leak is detected – no matter what the size – the more you stand to gain. So, go ahead and invest in the most efficient leak detector on the market. It's an investment that will soon pay off.

9012 XRS – Xtra Rapid Search – faster and more accurate

The new Sensistor 9012 XRS Leak Detector constitutes a complete fieldbased system based on proven hydrogen-gas detection technology. It offers the most sensitive and flexible leak detection system on the market in a heavy-duty, smart and ergonomically designed package. The leak detector instrument is very easy to use, and its rugged construction makes it close to maintenance-free. The 9012 XRS is completely selective – it only reacts on hydrogen gas, which in very low concentrations is used as tracer gas. Sensistor has developed its own hydrogen gas sensor, which when combined with advanced computing electronics results in an unsurpassed sensitivity threshold of an impressive 700 ppb (0.7 ppm). This extreme level of sensitivity is necessary to quickly detect even the smallest leaks. However, to be able to detect major leaks, it is a necessity to be able to decrease sensitivity. This is why the 9012 XRS features a sensitivity adjuster to instantly adapt to any detection condition. The instrument instantaneously responds to the tracer gas, and additionally it has a very short reset time to enable a new measurement to be performed immediately.



Tracer gas facts

Pure hydrogen gas is never used as tracer gas, since it is highly inflammable. Instead, a gas mixture of 5% hydrogen and 95% nitrogen is used. This mixture is not flammable (refer to ISO 10156), non-toxic, non-corrosive and proenvironmental.

Hydrogen and nitrogen both exist in all biological systems. (Some gas suppliers have their own trade name for this gas mixture, e.g. Naton 5 from AGA, Shielding Gas NH5 from Air Liquid and Protec5 from Air Products).

Standard mixtures are much cheaper than custom made mixtures and cost around 0.005 Euro / litre. Moreover, hydrogen gas is approved as a foodstuffs additive under code E949.

9012 XRS Specifications

Sensitivity: 0,7 ppm H₂ in air

Response time: <1 sec.

Pre-heating time: <6 sec.

Outputs: - Display with 10-segment LED indicator

- Speaker

- Earphone, standard 3.5 mm jack,

> 8 ohms

Battery type: Rechargeable lead batteries (gel electrolyte)

Battery capacity: 13 hours at 20°C, 6 hours at -20°C

Charger: AC charger (100-240 VAC) and

Car charger (9-15 VDC) included

Casing: Aluminium

Protection: Waterproof (IP65)

Dimensions and weight: 250 x 120 x 85 mm, 1.9 kg

In carrying case: 260 x 220 x 95 mm, 2.5 kg