

**EXTRIMA<sup>®</sup> LEAK DETECTOR****H<sub>2</sub>**

## The world's first intrinsically safe Leak Detector using Hydrogen tracer gas

**Adixen Sensistor is proud to launch the world's first leak detector using hydrogen tracer gas, that is approved for ATEX Zone 0. The new portable EXTRIMA Leak Detector makes the revolutionary Hydrogen Method available for leak testing in the toughest of environments, including explosion hazardous areas. Finding leaks down to bacteria size, EXTRIMA is the ultimate tool for a wide range of demanding applications.**

The intrinsically safe EXTRIMA Leak Detector brings the Sensistor accuracy, flexibility and simplicity into potentially explosive environments. It fulfills the ATEX directive for use in Zone 0 - ATEX Classification Ex ia, IIC T3.

### **Versatile and easy to operate**

EXTRIMA is designed to withstand rough handling in the field and is easily carried in a shoulder strap. It has a chargeable Lithium Ion battery providing up to seven hours of operation. The new ergonomically designed hand probe with a built in leak/no leak LED indicator, together with the auto-range function and short

recovery time, allows for fast homing in on suspected leak areas and exact leak locating and quantification. The recommended tracer gas is a low cost standard mixture of 5% hydrogen (H<sub>2</sub>) and 95% nitrogen (N<sub>2</sub>) available from major gas suppliers. This mixture is non-flammable, non-corrosive, non-toxic and environmentally friendly.

### **Comfortable solution for demanding applications**

EXTRIMA is the ultimate choice for a wide range of industrial leak detection applications. For the first time ever the aviation industry has got a safe, accurate and yet comfortable solution for leak testing of complete fuel systems as well as oxygen supply and fire extinguishing systems, both in production and maintenance.

For the process industry, the petrochemical area, hydrogen production plants and on oil rigs EXTRIMA is the perfect tool for locating leaks on all types of valves, joints and other components. Leak testing of hydrogen cooled generators and fuel cells are typical production and maintenance applications.



## Features

- Ex approved
- Robust enclosure for tough environments
- Water proof (IP 67)
- Battery operated (7 hours autonomy)
- Ergonomic design and low weight
- Simple user interface - easy to learn and operate
- Extremely sensitive
- Low maintenance

## Accessories

- Hand probe with flexible neck
- Probe cable
- Probe tip protection caps

## Specifications

<b>Approval code:</b>	Ex ia IIC T3
<b>Delivery:</b>	Includes Detector, Probe Cable, Hand Probe, Shoulder Strap, Charger (100-240 VAC)
<b>Environment:</b>	Temperature: 0° C - +50° C Humidity: 95% RH (non-condensing) Chemical: JET-fuel and most common petroleum vapours IP-Class: IP67, 30 min@1m (IEC 60529)*
<b>Dimension/weight :</b>	HxWxD: 128 mm x 240 mm x 167 mm Weight: 4,5 kgs (hand probe excluded)
<b>Applications:</b>	Europe: Zones 0, 1 and 2 (mines and dust excluded) (hydrogen, JET-fuel, and other T1, T2 and T3 gases)
<b>Sensitivity:</b>	Range in H <sub>2</sub> Analysis Mode 0.5 PPM - 0.2% H <sub>2</sub> Sensitivity in Leak Detection Mode 2x10 <sup>-6</sup> cc/s (using 5% H <sub>2</sub> tracer gas) Repeatability Typically ±(10% of reading + 0.3 PPM) Linearity (within 0.1-10 x calibration point) Typically ±15% (within 0.5 - 100 PPM)
<b>Battery capacity:</b>	7 hours (full charge)

\* Probe tip requires separate protection

# adixen

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