



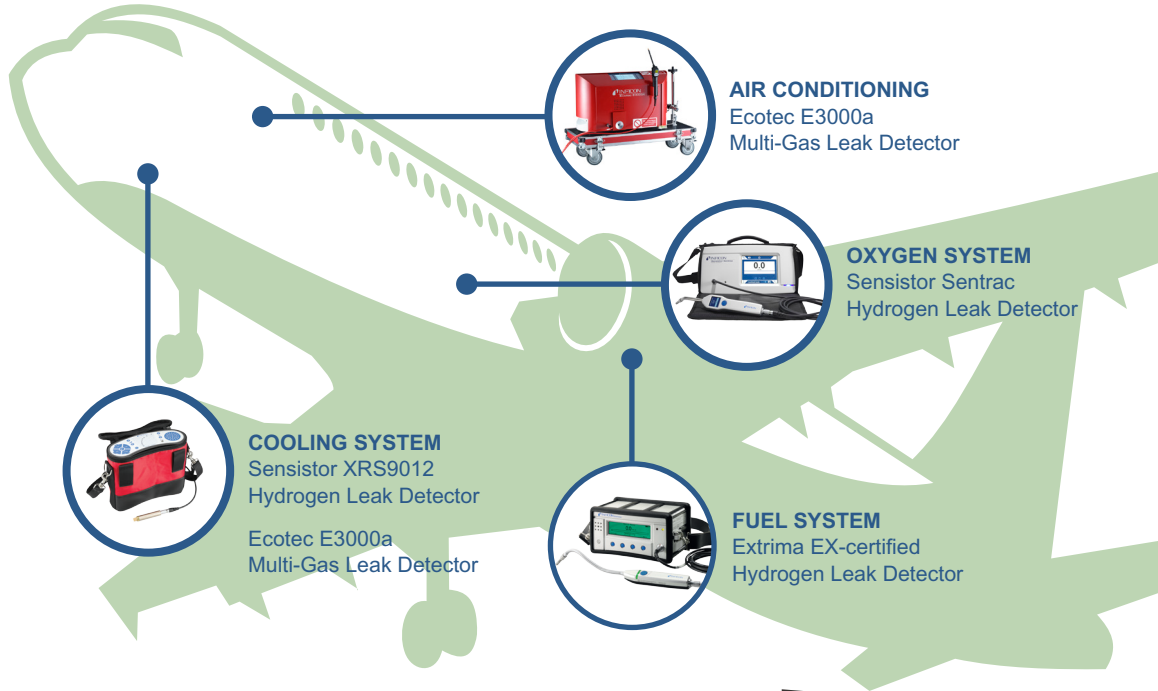
# **Leak Detection in Aviation**

**LEAK DETECTION IN MANUFACTURING,  
ASSEMBLY AND MAINTENANCE**

# Fast, reliable leak testing for critical airline components

INFICON helium, hydrogen and refrigerant gas leak detectors are used worldwide by a variety of manufacturers and their suppliers to ensure quality throughout their manufacturing and assembly operations. Leak detection in aviation puts very high demands on leak testing systems in terms of reliability, robustness and ease of use. Experience proves that traditional leak detection methods such as soaping, penetrants, smoke and guesswork are not reliable and often require long search times.

INFICON products are made for heavy-duty use in all kinds of environments, including hazardous areas.



Extrima at work—locating fuel leaks

## FROM MANUFACTURING TO MAINTENANCE

Leak tests of components can be performed both manually or automatically, on small or large size parts, no matter the complexity of their geometries. Assembled systems also need to be leak tested in order to verify their integrity. During MRO, fuel leaks must be found fast to avoid long, expensive stops.

INFICON instruments are easy to use, reliable and robust making them the ideal tools in any maintenance kit.

## TYPICAL APPLICATIONS

### COMPONENTS

Accurate and reliable leak detectors for both manual and automatic leak detection solutions, on both small and large size parts.

### ASSEMBLIES

INFICON offers practical and flexible leak detection solutions, including battery operated instruments.

### MRO

INFICON leak detectors are easy to use and move around the work area. The ideal tools in any maintenance situation. Explosion proof detector options are also available.

INFICON leak detectors are used worldwide in a variety of applications setting high quality-control standards in the aircraft industry and aviation in general.



### **EXTRIMA™ EX-CERTIFIED HYDROGEN LEAK DETECTOR**

Intrinsically safe instrument for leak detection in the toughest environments, including hazardous locations such as Zone 0 (corresponding to Division 1). Designed to withstand rough handling in the field, Extrima is ATEX, IECEx, NEPSI and CSA certified.



The **Complete Gas Injection Kit** is an accessory to Extrima for injecting trace gas into fuel leak pathways for rapid localization during aircraft maintenance. A complete set of accessories are packaged in a smart and heavy-duty transport case.



### **ECOTEC® E3000A MULTI-GAS LEAK DETECTOR**

Ecotec E3000A allows the operator to detect leaks by sniffing for the escape of a final medium like refrigerants and GALDEN heat transfer fluids. The unit can detect four gases selectively at any time. Ecotec E3000A is designed to minimize operator error and to maximize reliability of tests.



### **SENSISTOR XRS9012 HYDROGEN LEAK DETECTOR**

The XRS9012 hydrogen leak detector combines high sensitivity, portability and pinpointing capacity making this the ideal instrument for leak location on systems such as galley cooling systems. A very short recovery time enables new searches to be performed immediately.



### **SENSISTOR SENTRAC™ HYDROGEN LEAK DETECTOR**

This battery operated version of the Sentrac leak detector is not only robust, but also easy to move around. It is the perfect leak detection tool for MRO. High sensitivity and short recovery time allow for leak detection of both small and big leaks.



### **PROTEC® P3000(XL) HELIUM LEAK DETECTOR**

The Protec P3000 uses helium as tracer gas to detect leaks by sniffing large surfaces like the outside of wing tanks. A sniffer with state of the art technology for detecting leaks even at a distance.



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

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