

ASM 102 S

Portable Dry Sniffing Leak Detector



Adixen by Alcatel Vacuum Technology



The **VERSATILE** sniffing leak detector

Accept no compromise when you need, sensitivity, stability, measuring range, response time, and clean up time. The ASM 102 S is the unit you need for your application. With the ASM 102 S, you can now detect and pinpoint easily very small leaks, the one you could not see before and that impacted your process applications. In addition to its exceptional performance, the ASM 102 S is a dry leak detector enhancing its flexibility for applications where the unit may have to be placed side way or in an angle or carried around frequently.

The ASM 102 S delivers:

High sensitivity

1.10⁷ mbar.l/s or 0.1 ppm of helium. This high level of resolution allows a fast diagnostic and high sensitivity test.

Wide measuring range

From 0.1 ppm to 100 % helium

Fast response time

Less than 1 s. (with a 5 m/16 ft sniffer probe)

Fast clean-up time

Excellent stability

The helium signal stability is crucial for small leak detection.

3 masses (option)

The ASM 102 S can also be equipped with a 3 masses option, allowing the detection of helium (He3) and Hydrogen (H).

The ASM 102 S offers exciting new features:

- Enhanced helium signal background suppression with floating auto-zero function to ensure that helium signal never falls below zero.
- Latest standard electronics generation with additional features.
- Voice synthesizer for additional operator interface ability.
- Independent access to primary and secondary filament for quick single filament replacement.
- **Portability**
 - transportable in any position (dry pumping system).
 - all the accessories are located in an internal compartment and are operational by simple connection.
- **User friendliness**

It takes no more than few minutes to get familiar with its operation:

 - auto-calibration
 - floating Auto-zero function to gain sensitivity
 - helium signal direct readout function to remove operator interpretation

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Applications

Control and maintenance of any part or installation used under pressure (outboard testing):

- underground cables and tubes,
- valves and manifolds,
- underground or external storage tanks,
- reactors, heat exchangers, vapor generators,
- maintenance for air conditioning systems,
- leak testing Kerosene tanks (wings and fuselage) after assembly,
- maintenance of airplanes: wings and fuselage,
- off shore test of gas installations,
- leak test liquid Propane gas and oil tankers,
- test of gas line installations in Semi conductor fabs and aeronautic and aerospace applications,
- hydrogen gas supply lines.



Technical Features

Specifications

Measuring range	1.10 ⁻⁷ to 1 mbar.l/s (0.1 ppm to 100 % of helium)
Response time	< 1 s. for a 5 meters/16 feet sniffer probe
Power consumption	100 Watt
Weight: 18 kg/39 pounds	dimensions: W 480 x D 430 x H 165 mm W 18.9 x D 16.9 x H 6.5 inch

Integrated functions

- auto-calibration
- auto-zero (with floating zero method to ensure the signal never falls below zero)
- audio alarm with variable pitch (90 dBA)
- discrete and analog Input/Output + RS 232
- voice synthesizer



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