

Portable dry leak detector
ASM 122 D
Compact and powerful

An innovative portable leak detector concept specifically engineered to meet any maintenance requirements for clean applications.

The ASM 122 D design is based on an unique concept combining unparalleled performance in the smallest footprint.

The ASM 122 D benefits from the latest innovations in the field of vacuum technology (fully integrated and miniaturized powerful hybrid pumps, vacuum-activated valves, and multi-stage diaphragm dry pumps).

Very user-friendly, extremely robust, specifically designed to meet any maintenance application requirements, this unit is the ultimate solution for any stringent application such as semiconductor, pharmaceutical and research and development labs.



Adixen by Alcatel Vacuum Technology

Powerful

The ASM 122 D offers exceptional performance:

- measurement of helium leaks as small as $5 \cdot 10^{-12}$ mbar.l/s
- fast response time with unmatched Helium pumping speed at the inlet port of 4 l/s (240 l/min.).

User-friendly

A very comprehensive display control panel with direct access to integrated functions, makes this unit easy to operate for any end-user.

- Auto-zero function to measure the smallest increase of signal lost in the Helium background.
- Direct readout of the helium leak rate regardless of the parallel pumping or leak rate units.

Transportable

The ASM 122 D is a self-contained unit integrated to a cart with a minimal footprint and exceptional maneuverability.

Applications

The ASM 122 D multi-test flexibility delivers many possibilities; in-board and outboard methods for leak testing components such as:

- process chambers.
- gas panels and gas lines.
- load-lock chambers.
- vacuum components.
- medical and pharmaceutical packaging.
- R & D system chambers.
- medical devices.



Technical data

Specifications

Minimum detectable Helium leak	5.10 ⁻¹² atm.cc/s
Measurement range	from 1.10 ⁻¹² to 10 ⁻² atm.cc/s
Maximum test pressure	20 mbar (15 Torr)
Helium pumping speed at the inlet port	4 l/s (240 l/min.)
Start-up time (including auto-calibration)	< 5 min.

Integrated functions

- Auto-calibration (with built-in temperature compensated calibrated leak)
- Auto-zero (with "floating zero" method to make sure that the signal never goes negative)
- Automatic signal correction
- Three test modes (massive leak, normal and high sensitivity)
- Audio alarm with variable pitch (90 dBA)

Dimensions

Dimensions (detector only) 368 x 352 x 356 mm
(14,4" x 13,8" x 14")
Weight (detector only) 29 kg (64 lb.)



Included Accessories

- remote control
- transport trolley

Options and accessories

- metal seals
- NW 40 inlet flange adapter
- sniffer probe and associated accessories

Alcatel Vacuum Technology France - 98, avenue de Brogny - BP 2069 - 74009 ANNECY - FRANCE
Tel: (33) (0) 4 50 65 77 77 - Fax: (33) (0) 4 50 65 77 89
www.adixen.com

USA

Alcatel Vacuum Products
Tel: (1) 781 331 4200
Fax: (1) 781 331 4230

United Kingdom

Alcatel Vacuum Technology (U.K.)
Tel: (44) 1 506 418 000
Fax: (44) 1 506 418 002

Germany

Alcatel Hochvakuum Technik GmbH
Tel: (49) 9342 96 10 0
Fax: (49) 9342 96 10 30

Italy

Alcatel Vacuum Systems S.p.a.
Tel: (39) 039 686 3855
Fax: (39) 039 667 125

Japan

Alcatel Japan
Tel: (81) 44 797 5920
Fax: (81) 44 797 5932

Korea

Alcatel Vacuum Technology Korea
Tel: (82) 2 409 6277
Fax: (82) 2 409 6279

Taiwan

Alcatel Vacuum Technology Taiwan
Tel: (886) 3 5599 230
Fax: (886) 3 5599 231

Singapore

Alcatel Singapore Pte Ltd
Tel: (65) 6254 0828
Fax: (65) 6254 7018

China

Alcatel Vacuum Technology China
e.mail: inquiry-china@adixen.fr

Netherlands

Alcatel Vacuum Technology Netherlands
Tel: (31) 306 35 13 60
Fax: (31) 306 35 12 21