

LEAK TESTS

Fine leak test and gross leak test

DESCRIPTION

Two leak tests stations are used by **AdvEOTec** to evaluate the leak rate of your components (electronics, optoelectronics and others...).

This type of test is designed to validate components that have to operate under vacuum conditions, such as in space applications and particle accelerator.

The fine leak test enables to measure the hermeticity rate. The gross leak test enables to visualize and localize the leaks on your components. The tests stations are used in a clean environment in an EDPA (Electrostatic Discharge Protected Area).

Leak tests are part of the range of services available at **AdvEOTec**.



Fine leaks measuring station



Gross leaks tests station

Types of components :

Optoelectronics :

- Diodes : laser, electroluminescent
- Photodetectors
- Others...

Electronics :

- Sensors
- Analog electronics
- Others...

Other components...

Specifications :

According to standards such as :




- MIL-STD-883 Method 1014
- MIL-STD-750 Method 1071
- ISO 20484:2017
- ECSS-E-10-03A Method I et Method II

Fine leak test :		Gross leak test :	
Volume :	0,8 L	Volume :	1,85 L
Detector sensitivity :	$5 \cdot 10^{-13} \text{ Pa} \cdot \text{m}^3/\text{s}$	Test temperature :	50°C to 145°C ± 5°C
Pumping speed :	2,5 L/s	Type of fluid :	Fluorinert
Type of pump :	Oil-free vacuum pump		
Detected gases :	^4He , ^3He , H_2		

C021A301A-HE33

AdvEOTec

6 rue Jean Mermoz
 ZA Saint Guénault
 91080 Evry -Courcouronnes – France

 Tél : +33(0)1.60.86.43.61
 salesdpt@adveotec.com
 www.adveotec.com

