

Leak Detection Solutions

Dry Helium Leak Detector



ASM 182 TD+

The ASM 182 TD+ is equipped with a three-stage vacuum system. It comprises a dry and particle free high performance roughing pump, a molecular pump for optimum performance in fine vacuum and the most powerful turbo pump which is available in commercial leak detectors.

Advantages:

- **Very fast pump down to maximum test pressure**
Even when testing large objects or massive outgassing
- **Short test cycles and very fast response time**
thanks to high Helium pumping speeds.
- **Very low tracer gas background and fast signal decay after a massive leak** for the most demanding applications.

Specifications:

	Units	ASM 182 TD+
Minimum detectable helium leak	mbar · l/s	$5 \cdot 10^{-12}$ to $1 \cdot 10^{-1}$
Standard Roughing System	m ³ /h	25 (dry pump)
Helium pumping speed at inlet port	l/s	4.4
Cross-over pressure at inlet (for large leak test mode)	mbar	6
Response time	s	< 0.5
Discrete I/O and full blown RS 232		Included in standard version
Power consumption (single phase)	kW	1.2
Inlet port size	DN ISO-KF	40

Specifications sniffing mode:

Measurement range in sniffing mode	mbar · l/s	$1 \cdot 10^{-7}$ to 1
Helium signal response time with 5 m (16 ft) long probe	s	< 0.3

Applications:

- Semiconductor industry
- Space and aeronautics
- Electronics and sensors
- Instrumentation
- Research and Development

Accessories and options:

- Helium spray gun
- Remote control – cable-bound or wireless
- Inlet particle filters
- Test chambers
- Clean room compatible housing
- Tracer gas port for optimum test procedure of long gas lines

Sniffer probes:



Rigid tip
(various tube lengths)

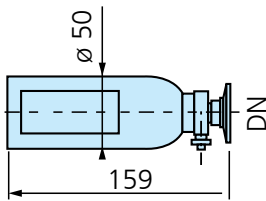


Flexible tip
(various tube lengths)

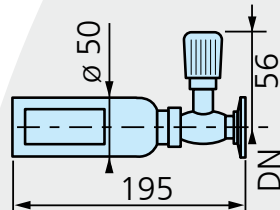


Special applications

Calibrated leaks:



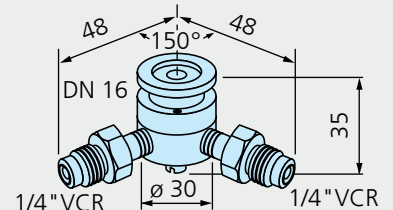
Integrated leak



External leak



Sniffing calibration accessories



Gas line calibrated leaks

Software:



ASM View

Leak detector control via PC. Data display and storage on PC.



ASM Downloader

Downloads files from ASMGraph memory to PC.



ASM Pocket

Software package for wireless remote control of leak detector via PDA or smartphone. Data is displayed and stored on the mobile device.

For further information please see:

<http://www.adixen.co.uk>