



CALIBRATED LEAK

STANDARD LEAK



CALIBRATED LEAKS MADE TO YOUR LEAK RATE,
PRESSURE AND GAS REQUIREMENTS

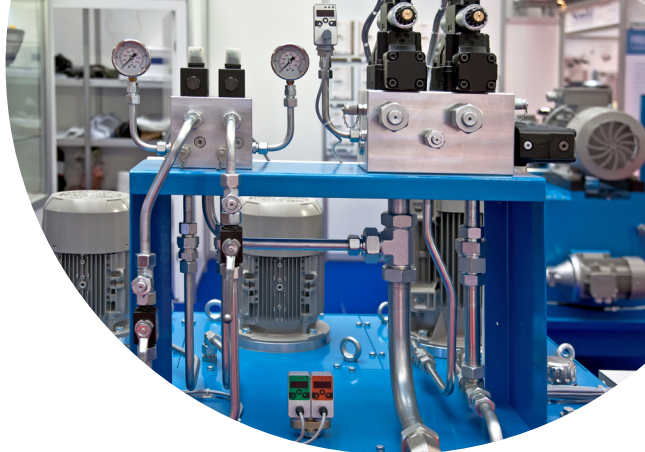
ionscience.com

Unrivalled Gas Detection^{ion}.



ION Science calibrated leaks are produced in order for a known leak to be presented to a test system. Should the leak be detected by your gas / leak detector at the correct value then the system is within calibration, giving you confidence in the accuracy of the instruments upon which you depend.

At ION Science we produce calibrated leaks that are made to your individual pressure and leak rate specification. Each leak is supplied in its own storage box with a certificate of calibration in accordance with our ISO9001:2008 procedures. By ensuring our own quality standards we can help you to meet yours.



EXCEPTIONAL LONG TERM STABILITY. CALIBRATED LEAKS PRODUCED TO YOUR PRECISE PRESSURE AND FLOW REQUIREMENTS.

For exceptional stability over time and resistance to corrosion and contamination, all leaks are made from stainless steel. The body has a standard 1/8 BSP inlet and outlet thread and can be supplied with a quick fit staubli fitting, for use with leak testers. The simple screw in screw out functionality of the calibrated leak is ideal when returning your leak to ION Science for annual calibration as the leak can be easily removed, placed in its storage box and sent in the post.

Features:

- **Factory calibrated** to procedures in accordance with our ISO 9001:2008 quality management system
- **Calibration certificate** and storage box included
- **Stainless steel body** corrosion and contamination resistant
- **Various leak rates** from 1×10^{-4} ml/s to 10L/min
- **Wide range of gases** and inlet pressures available

Technical Specification

Construction

- Stainless steel body with bronze sinter
- 1/8 BSP inlet and outlet threads

Accuracy

- Leak rate $\pm 10\%$

Inlet Pressure

- Maximum 5 bar
- Minimum 50 mbar

Leak rate specifications

- Maximum 10L/min Minimum 1×10^{-4} ml/sec

Information required when ordering

- Leak rate eg. ml/sec, ml/hr etc.
- Inlet pressure eg. bar, psig etc.
- Gas to be used with leak e.g. air, helium etc.

ION Science calibrated leaks are also used within the ION Science CalCheck, an easy to use bump test and calibration standard. Both standard leak and gas bottle can be changed by the user offering flexibility to calibrate or bump test a variation of products using one device.

