

Easy and Reliable Calibration of Leak Detectors

Ensuring accuracy and confidence in your instrument's results. A simple 1, 2, 3 operation giving you fast and dependable self calibration in cc/sec leak rates.

Gases available include:

- Helium: 5×10^{-4} cc/sec
- Hydrogen: 5×10^{-4} cc/sec
- SF6: : 5×10^{-7} cc/sec, 5×10^{-6} cc/sec or 5×10^{-8} cc/sec
- R134a: 5 gr/year
- R22: 5 gr/year
- R1301: 5 gr/year
- R600a: 5 gr/year
- And any other non corrosive gas

Various other leak rates are available.
Please contact Ion Science for more information.

Multiple calibration graphs available on request.

CONTACT INFORMATION

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CalCheck from Ion Science is an easy to use reliable tool for the self calibration of gas and leak detection instruments, giving you peace of mind and confidence in the accuracy of the measurements you rely on.

For your convenience the same base unit can be used for calibration with many different gases and at many different leak rates. Ion Science can supply you with any non-corrosive gas at a suitable concentration. The CalCheck Leak is easily removed allowing you to order specific leak rates when required ensuring calibration to your exact needs.

As Ion Science recommends that your leak rate be returned to our calibration factory once a year to ensure continued accuracy, the removable leak is paramount in vastly reducing your shipping costs.

How CalCheck Works

Within 5 minutes of unpacking your new CalCheck you can be making reliable self calibration checks. Screw the gas canister into the base and follow these simple 1, 2, 3 instructions.

1. Push down on the top of the bottle releasing a controlled quantity of gas ensuring that the dial needle is in the white area, if it remains in the red a new canister is required.
2. Press the adjust button until the needle moves into the green area of the dial.
3. The CalCheck unit is now ready for use. Present your instrument to the test port for checking.

Accessories:

To accompany the CalCheck unit additional gas cylinders and standard calibrated leaks can be used with the same base unit allowing you to calibrate to numerous specifications and with different gases at different target leak rates. The table on the right is by no means an exhaustive list. Please contact our sales team for more details of gases and leak rates available.

TECHNICAL SPECIFICATION

CONSTRUCTION

Stainless steel and alloys with ancillary components

GASES AVAILABLE

Helium, Isobutylene, SF₆, R134a, R22, R1301, R600a, and any other non-corrosive gas

LEAK RATES AVAILABLE

As low as 5 g/yr for refrigerants, or 10-8 ml/sec depending on the gas concentration used

CALIBRATION

Each leak is supplied with a traceable certificate valid for 12 months. Ion Science advises that each leak is returned for calibration every 12 months

EXTRAS

Additional gas/leak kits can be purchased and used with the same base assembly

DIMENSIONS

340 mm x 95 mm x 135 mm
13.4" x 3.7" x 5.3"

PACKED WEIGHT

Including 1 gas aerosol 1.8kg or 4lb

ORDERING

When placing an order please specify leak rate in ml/s, ml/min or ml/hr; the inlet pressure in mb, bar or psig; and gas eg. Helium

Part No.	Spare Gas Cylinders
5/BA-09	Helium Gas 100%
5/BA-10	SF ₆ Gas 0.1% Vol
5/BA-11	SF ₆ Gas 1% Vol
5/BA-12	R134A Gas 5% Vol
Standard Calibrated Leak (SCL)	
A-21045	He Leak rates down to 4 x 10 ⁻⁴ ml/sec
A-21046	SF ₆ Leak rates from 3 x 10 ⁻⁴ ml/sec to 3 x 10 ⁻⁶ ml/sec
A-21048	Refrigerant Gases down to 5 gm/yr
A-21049	Air Leaks



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