



# CalCheck

**Easy, reliable  
calibration of gas  
leak detectors.**



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

**Gases available include:**

- Helium
- Hydrogen
- SF6
- R134a
- R22
- R1301
- R600a
- And any other non corrosive gas

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



CalCheck from Ion Science is an easy to use reliable tool for the bump test and user calibration of gas and leak detectors, 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 for different applications.

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 bump test and user 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.

### Distributed by:

## 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 5g/yr for refrigerants, or 10<sup>-8</sup> 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 g/yr, ml/s, ml/min or ml/hr

Part No.	Spare Gas Cylinders*
5/BA-09	Helium Gas 100%
5/BA-10	SF6 Gas 0.1% Vol
5/BA-11	SF6 Gas 1% Vol
5/BA-12	R134A Gas 5% Vol
<b>Standard Calibrated Leak (SCL)</b>	
A-21045	He Leak rates down to 4 x 10 <sup>-4</sup> ml/sec
A-21046	SF6 Leak rates from 3 x 10 <sup>-4</sup> ml/sec to 3 x 10 <sup>-6</sup> ml/sec
A-21048	Refrigerant Gases down to 5 gm/yr
A-21049	Air Leaks

\*Other gas cylinder options available. Please contact your nearest distributor for more information.

### Ion Science recommends

CalCheck provides the ideal unit for calibrating the Ion Science SF6 LeakCheck P1:p and GasCheck range.



### Manufactured by:

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CalCheck V1.5. This publication is not intended to form the basis of a contract and specifications can change without notice.