



# GasCheck

**The only ATEX approved gas leak detector.**



**Designed for the search and location of flammable gases, GasCheck G rapidly detects the smallest of leaks.**

#### **Best available detection**

- The only ATEX approved, Intrinsically Safe gas leak detector
- Fast, accurate leak detection at highly sensitive levels
- Detects almost any known gas or gas mixture
- Particularly sensitive to ammonia, argon, butane, helium, hydrogen and SF6
- Reliable, stable, repeatable readings

#### **Ease of use**

- Simple, one handed operation
- Large, clear LCD back lit display for easy viewing
- Graphical icon menu
- Conveniently calibrated against helium

#### **Flexibility**

- Choice of readings in cc/sec, g/yr, mg/m<sup>3</sup>
- Two variants available dependant on your requirements

#### **Low cost operation**

- Inexpensive consumables and parts
- 2 year warranty when instrument registered online

GasCheck is the only ATEX approved, Intrinsically Safe gas leak detector to rapidly and accurately detect flammable gases. Its micro-thermal conductivity sensor gives fast, effective detection of almost any gas or gas mixture down to highly sensitive levels.

GasCheck is conveniently calibrated against helium - the most commonly used tracer gas - and is particularly sensitive to ammonia, argon, butane, hydrogen, SF6 and refrigerants. Its Intrinsic Safety provides an ideal tool for use in areas classified as zone zero flammable, and is certified to safely detect flammable gases.

GasCheck is available in two distinct versions, the 3000is and 5000is with varied capabilities.

### GasCheck 3000is

An easy-to-use leak detector for the rapid detection of gas leaks. The 3000is provides an ideal tool for use in areas classified as zone zero flammable.

### GasCheck 5000is

Advanced software features of the 5000is include data logging with a date and time stamp, a choice of readout units (ppm or ml/sec) and an adjustable alarm level. The 5000is can also download its data logged results to a PC for analysis via an infrared link. The accompanying software allows for the creation of graphs from the downloaded data, and printed reports.

### Extend your instrument warranty

Your GasCheck IS instrument warranty may be extended by simply registering your product on the Ion Science website within one month of purchase. Visit [www.ionscience.com/instrument-registration](http://www.ionscience.com/instrument-registration) to take advantage of this offer.

### Service and Calibration

GasCheck IS requires annual calibration to maintain best accuracy, instrument performance, and to maintain its extended warranty. Contact Ion Science or a local service centre for more information.

### Applications include

• Industrial • Manufacturing • Laboratory • Medical • Research

### Accessories

GasCheck IS is supplied with an exclusive range of accessories. Visit [www.ionscience.com/gascheck](http://www.ionscience.com/gascheck) for more info.



Distributed by:

## TECHNICAL SPECIFICATION

### DETECTOR

Micro thermal conductivity detector (MTCO)  
Sensor is poison resistant with over range protection

### INTRINSICALLY SAFE APPROVALS

II 2 G Ex ia II T4 Baseefa 02ATEX0093 (3000is & 5000is only)  
Ex ia IIC T4 (-20°C ≤ Ta ≤ +60 °C)

### OPERATION

Battery Type: 4 x alkaline AA size  
Typically 40 hours life, IS 20 hours

### SENSITIVITY (ml/sec)

He 2 x 10<sup>-5</sup>, CH<sub>4</sub> 1 x 10<sup>-4</sup>, R12 1 x 10<sup>-4</sup>, Ar 2 x 10<sup>-4</sup>

### ACCURACY

— 5% Displayed reading — One digit

### RESPONSE

T90 = 1 second rise and clear down

### ALARM

Flashing LED and 90 dBA (10cm) audible sounder

### CALIBRATION

Certified NAMAS/NIST standards

### DATA LOGGING\*

>1000 data points

### FLOW RATE

2 ml/min or 2 cc/min (with outer probe removed)

### TEMPERATURE

Operating: -20 to +60 °C, -4 to 140 °F  
Storage: -20 to +70 °C, -4 to 158 °F  
Humidity: 0 to 99% RH (non-condensing)

### WEIGHT & DIMENSIONS

Instrument with probe:  
390 x 60 x 49 mm, 15.5 x 2.3 x 1.9"  
Case: 420 x 320 x 97 mm, 16.5 x 12.5 x 3.8"  
Instrument: 0.45 kg, 1 lb, Packed 1.6 kg, 3.5 lb

\* Data logging available with the 5000is version only  
EMC tested EN50082-1 July 98 NATO stock No 66/85/99/370/9519

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