



# GASCHECK G

available in 3 versions; G1, G2 & G3

## Advanced Gas Leak Detector With Improved Sensitivity



The new GasCheck G utilises an advanced micro-thermal conductivity sensor with improved sensitivity for rapid, effective detection of leaks down to cc/sec, g/yr, mg/m<sup>3</sup> or ppm levels.

### Features:

- Improved Micro Thermal Conductivity Sensor for enhanced sensitivity
- Three new variants available; G1, G2 & G3
- Choice of readings in cc/sec, g/yr, mg/m<sup>3</sup> or ppm
- New graphical icon display menu for international markets
- Rapidly detects almost any known gas or gas mixture - particularly sensitive to ammonia, argon, butane, helium, hydrogen, SF<sub>6</sub>
- Reliable, stable and repeatable readings
- Conveniently calibrated against helium
- LCD back lit display
- Hand held & Robust

Advanced Gas Sensing Technologies  
[www.ionscience.com](http://www.ionscience.com)

Designed for the search and location of gas leaks, GasCheck G has an advanced micro thermal conductivity sensor for fast, effective detection of almost any gas or gas mixture.

Robust and reliable, GasCheck G provides stable, repeatable readings of the detected gas. The instrument's LCD display, LED indicator and audible sounder clearly indicate the leak present.

GasCheck G automatically zeros to the ambient air around it when switched on and is ready to detect immediately. The instrument's new, easy to use graphical interface and intuitive keypad allows simple function, selection and adjustment.

Upgradeable throughout the range, GasCheck G is available in three distinct versions; G1, G2 and G3 with varied capabilities. Features can be easily added to upgrade the instrument without it having to be returned to the factory.

Feature	G1	G2	G3
Rapid detection of gas leaks	■	■	■
Measures gas leaks (single gas)		■	
Measures gas leaks (up to 20 gases)			■
Audible sounder	■	■	■
Flashing back-lit display	■	■	■
Peak hold readings		■	■
Factory or custom calibration available		■	■
Data logging (store up to 10 readings)			■
Readings displayed in cc/sec, g/yr, ppm or mg/m <sup>3</sup>			■
Selectable battery type			■
Upgradeable	■	■	

Key: Standard Feature ■

The G2 model is factory configurable only, the Gas and measurement Units must be specified with the order.

#### Applications include:

- Industrial
- Quality Assurance
- Manufacturing
- Laboratory
- Medical
- Research

#### Accessories

To complement the GasCheck G range, Ion Science has developed an exclusive range of high quality accessories. Contact us for more information.



## TECHNICAL SPECIFICATION

### DETECTOR

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

### OPERATION

Battery Type: 4 x alkaline AA size or NiMH (rechargeable)  
Typically 40 hours life

### SENSITIVITY (cc/sec)

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

### ACCURACY

± 5% Displayed reading ± One digit

### RESPONSE

T90 = 1 second rise and clear down

### SOUND

Flashing LED and 90 dBA (at 10 cm) audible sounder

### CALIBRATION

Calibrated to UKAS/NIST standards

### DATA LOGGING

10 data points with date and time stamp

### FLOW RATE

2 cc/min

### 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

EMC tested EN50081-1 & EN50082-1 July 98

Part number GCS01.1 This publication is not intended to form the basis of a contract and specifications can change without notice.



ION SCIENCE is ISO9001:2000 certified  
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