

# Gas Leak Detection

## Ion Science GasCheck

GasCheck handheld gas leak detectors provide stable, repeatable readings of multiple gases and gas mixtures. Featuring an advanced micro thermal conductivity sensor, GasCheck effectively detects many gases in ultra-low concentrations.

### FEATURES

- Available in four models; G1, G2, G3, and Tesla
- Fast, accurate leak detection
- Simple one handed operation
- Particular sensitive to ammonia, argon, butane, helium, hydrogen, and SF6
- Auto ambient air calibration
- Easily upgrade without returning to factory
- 2 year warranty - when registered online

### MODEL COMPARISONS

Summary of Gascheck Features	G1	G2	G3	Tesla
Rapid Qualitative Leak Detection	✓	✓	✓	✓
Gas Quantification Factors	0	1	20	20
Audible Alarms & Flashing Backlit Display	✓	✓	✓	✓
Peak Hold Readings		✓	✓	✓
User Calibration Available		✓	✓	✓
Data Logging Time Points	0	0	10	10
Unit Options of cc/sec, g/yr, ppm or mg/m <sup>3</sup>			✓	✓
Selectable Battery Type			✓	✓
Upgradeable	✓	✓		
Resistance to Strong Magnetic Fields				✓

### INCLUDED IN ALL GASCHECK KITS

- Gascheck Instrument
- Battery Holder
- Long Probe Assembly
- Drilled Box Spanner Tool
- Universal Case
- Quick Start Guide

### OPTIONAL ACCESSORIES

- GasCheck Short Probe (10cm)
- GasCheck Long Probe (30cm)



### SPECIFICATIONS

<b>Detector:</b>	Micro-thermal conductivity detector (MTCd) Sensor is poison resistant with over range protection
<b>Batteries:</b>	4 x alkaline AA size or NiMH (rechargeable) Typically 20 hours life
<b>Sensitivity (cc/sec):</b>	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>
<b>Accuracy:</b>	±5% displayed reading ± one digit
<b>Response:</b>	T90 = 1 second rise and clear down
<b>Alarms:</b>	Flashing LED 90 dBA (at 10 cm) audible sounder
<b>Calibration:</b>	Calibrated to UKAS/NIST standards
<b>Data Logging:</b>	10 data points with date and time stamp
<b>Flow Rate:</b>	2 cc/min
<b>Operating Temperature:</b>	-20 to +60°C, -4 to 140°F
<b>Storage Temperature:</b>	-20 to +70°C, -4 to 158°F
<b>Humidity:</b>	0 to 99% RH (non-condensing)
<b>Dimensions &amp; Weight:</b>	
Instrument with Probe:	390mm x 60mm x 49mm (15.5" x 2.3" x 1.9")
Case:	420mm x 320mm x 97mm (16.5" x 12.5" x 3.8")
Instrument:	0.45 kg (1 lb.)
Packed:	1.6 kg (3.5 lb.)
<b>EMC Tested:</b>	EN50081-1 & EN50082-1 July 98

**CALL GEOTECH TODAY (800) 833-7958**

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