

# Gas Leak Detection

## Ion Science GasCheck G

The GasCheck G utilizes 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 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 and robust

### TYPICAL APPLICATIONS

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

### MODEL COMPARISONS

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.



### 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>-6</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.)

EMC tested EN50081-1 & EN50082-1 July 98

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

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