

Gas Leak Detector

Ion Science GasCheck G

The new 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/m³ 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/m³ 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, SF₆
- 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 ³			■
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

- Detector:** Micro-thermal conductivity detector (MTCD)
Sensor is poison resistant with over range protection
- Batteries:** 4 x alkaline AA size or NiMH (rechargeable)
Typically 20 hours life
- Sensitivity (cc/sec):** He 1 x 10⁻⁵, CH₄ 5 x 10⁻⁶, R12.5 x 10⁻⁵, Ar 1 x 10⁻⁴
- Accuracy:** ±5% displayed reading ± one digit
- Response:** T90 = 1 second rise and clear down
- Alarms:** Flashing LED
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
- Operating Temperature:** -20 to +60°C, -4 to 140°F
- Storage Temperature:** -20 to +70°C, -4 to 158°F
- Humidity:** 0 to 99% RH (non-condensing)
- Dimensions & Weight:**
 - 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

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