

Flammable Gas Leak Detector

Ion Science GasCheck 3000is & 5000is

Designed specifically for the search and location of flammable gas leaks, GasCheck Intrinsically Safe models detect almost any known gas or gas mixture. Their micro-thermal conductivity sensor responds rapidly to the smallest of leaks.

FEATURES

- The only ATEX approved, intrinsically safe leak detector
- Rapidly detects and measures almost any gas
- Performs repeatable readings in choice of ppm or ml/sec
- Robust, reliable and easy-to-use
- Conveniently calibrated against helium
- Holds peak readings
- LCD back lit display
- Hand held
- Two variants available; 3000is and 5000is

TYPICAL APPLICATIONS

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

GASES DETECTED INCLUDE:

- | | |
|----------------|-------------------|
| • Hydrogen | • Helium |
| • Ammonia | • Argon |
| • Butane | • SF ₆ |
| • Refrigerants | |

MODELS AVAILABLE

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 and can safely detect flammable gases.

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.



SPECIFICATIONS

- Detector:** Micro-thermal conductivity detector (MTCD)
Sensor is poison resistant with over range protection
- Intrinsically Safe Approvals*:** Ex II 2 G EEx ia II T4 Baseefa 02ATEX0093
- Batteries:** 4 x alkaline AA size (typically 20 hours life)
- Sensitivity (cc/sec):** He 2 x 10⁻⁵, CH₄ 1 x 10⁻⁴, R12 1 x 10⁻⁴, Ar 2 x 10⁻⁴
- Accuracy:** ±10% displayed reading ± one digit
- Response:** T90 = 1 second rise and clear down
- Alarms:** Flashing LED
90 dBA (10 cm) audible sounder
- Calibration:** Calibrated to UKAS/NIST standards
- Data Logging*:** 36,000 data points with date and time stamp
- Flow Rate:** 1 cc/min or 2 cc/min
(with outer probe removed)
- 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.)

*Data logging available with the 5000is version only
EMC tested EN50081-1 & EN50082-1 July 98 NATO stock No 66/85/99/370/9519

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