

Leak Detector

Ion Science GasCheck

GasCheck is a unique instrument that not only detects leaks of almost any known gas or gas mixture, it can also measure the leak. It's micro-thermal conductivity sensor responds rapidly to a leak, helping you detect even the smallest quantities of escaped gas. GasCheck is conveniently calibrated against helium – the most commonly used tracer gas – and is particularly sensitive to ammonia, argon, butane, hydrogen, SF₆ and refrigerants. The instrument range offers intrinsically safe versions for use in flammable areas and can safely detect flammable gases.

FEATURES

- Detects even the smallest leaks
- Repeatable readings
- Accurate leak measurement
- Intrinsically safe versions
- Data logging capability
- Hand held
- Large back-lit display
- Choice of readings in ppm or ml/sec
- Holds peak reading



TYPICAL APPLICATIONS

- Industrial
- Manufacturing
- Laboratory
- Medical
- Research

GASES DETECTED INCLUDE:

- Hydrogen
- Helium
- Ammonia
- Argon
- Butane
- SF₆
- Refrigerants

SPECIFICATIONS

- Detector:** Micro-thermal conductivity detector (TDC)
- Intrinsically Safe Approvals*:** Ex II 2 G EEx ia II T4 BASEEFA 02ATEX0093
- Sensitivity (cc/sec):** He 2x10⁻⁵, CH₄ 1x10⁻⁴, R12 1x10⁻⁴, Ar 2x10⁻⁴
- Batteries:** 4 x AA alkaline 40 hours (non is) 20 hours (is versions)
- Response:** T90 = 1 second rise and clear down
- Accuracy:** ±5% displayed reading ± one digit
- Alarm:** Flashing LED and 90 dBA (10cm) audible sounder
- Data Logging*:** 36,000 data points with date and time stamp
- Calibration:** Using standards which are themselves calibrated by UKAS (NAMAS) or NIST laboratories
- Operating Temperature:** -20° to +60° C (-13° to 140° F)
- Storage Temperature:** -20° to +70° C (-13° to 158° F)
- Dimensions:** Case: 420mm x 320mm x 97mm (16.5" x 12.5" x 3.8")
Instrument with Probe: 390mm x 60mm x 49mm (15.5" x 2.3" x 1.9")
- Weight:** Instrument: 0.45 kg (1 lb)
Packed: 1.6 kg (3.2 lb)
- EMC Tested:** To EN50081-1 and EN50082-1 July 1998

MODELS AVAILABLE

GasCheck 3000 – The simple, easy to use leak detector

Designed specifically for the search and location of non-flammable gases, such as helium.

GasCheck 3000is – An intrinsically safe leak detector

3000is is an ATEX approved intrinsically safe version of the 3000 instrument designed specifically for use in flammable areas and for the search and location of flammable gas leaks.

GasCheck 5000is – An advanced leak detector with download capability for easy data analysis

The 5000is benefits from many advanced features including data logging with a date and time stamp, a choice of readout units ppm or ml/sec, and an adjustable alarm level. 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 data and printed reports.

*Model dependent

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