



GASCHECK

3000is and 5000is

The Only ATEX Approved, Gas Leak Detector



Designed specifically for the search and location of flammable gas leaks, GasCheck detects almost any known gas or gas mixture. Its 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
- Particularly sensitive to ammonia, argon, butane, hydrogen, SF6 and refrigerants
- Performs repeatable readings in choice of ppm or ml/sec
- Robust, reliable, easy-to-use
- Conveniently calibrated against helium
- Holds peak readings
- LCD back lit display
- Hand held
- Two variants available; 3000is and 5000is

Advanced Gas Sensing Technologies
www.ionscience.com

Designed for use in flammable areas and for the search and location of flammable gas leaks, GasCheck is the only ATEX approved, Intrinsically Safe gas leak detector. Its micro-thermal conductivity sensor gives fast, effective detection of almost any gas or gas mixture.

GasCheck is conveniently calibrated against helium - the most commonly used tracer gas - and is particularly sensitive to ammonia, argon, butane, hydrogen, SF6 and refrigerants. Its Intrinsic Safety provides an ideal tool for use in areas classified as zone zero flammable, and can safely detect flammable gases.

Robust, reliable and easy-to-use, the instrument's LCD display, LED indicator and audible sounder clearly indicate the detected leak. When switched on GasCheck automatically zeros to the ambient air and is ready to detect immediately.

GasCheck is available in two distinct versions, the 3000is and 5000is with varied capabilities.

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.

Applications include:

- Industrial
- Manufacturing
- Laboratory
- Medical
- Research

Accessories

To complement the GasCheck range, Ion Science has developed an exclusive range of high quality accessories. Contact us for more information.



TECHNICAL SPECIFICATION

DETECTOR

Micro thermal conductivity detector (MTCO)
Sensor is poison resistant with over range protection

INTRINSICALLY SAFE APPROVALS

II 2 G EEx ia II T4 Baseefa 02ATEX0093

OPERATION

Battery Type: 4 x alkaline AA size
Typically 20 hours life

SENSITIVITY (cc/sec)

He 2×10^{-5} , CH₄ 1×10^{-4} , R12 1×10^{-4} , Ar 2×10^{-4}

ACCURACY

— 5% Displayed reading — One digit

RESPONSE

T90 = 1 second rise and clear down

ALARMS

Flashing LED and 90 dBA (at 10 cm) audible sounder

CALIBRATION

Factory calibrated to fully documented procedures in accordance with our ISO 9001:2008 Quality Management System

DATA LOGGING*

36,000 data points with date and time stamp

FLOW RATE

1 cc/min or 2 cc/min with outer probe removed

TEMPERATURE

Operating: -20 to +60 °C, -4 to 140 °F
Storage: -20 to +70 °C, -4 to 158 °F
Humidity: 0 to 99% RH (non-condensing)

WEIGHT & DIMENSIONS

Instrument with probe:
390 x 60 x 49 mm, 15.5 x 2.3 x 1.9"
Case: 420 x 320 x 97 mm, 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 EN50082-1 July 98 NATO stock No 66/85/99/370/9519

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