TM Electronics, Inc.
Specialists in Leak, Flow and Package Testers

TME

GASCHECK
3000is and 5000is

Intrinsically Safe
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 and easy-to-use*

- *Conveniently calibrated against helium*

- *Holds peak readings*

- *LCD back lit display*

- *Hand held*

- *Two variants available: 3000is and 5000is*

Contact us for more information on available accessories.

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 the 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.

TECHNICAL SPECIFICATIONS	
DETECTOR	Micro thermal conductivity detector (MTCD) Sensor is poison resistant with over range protection
INTRINSICALLY SAFE APPROVALS	II2G EEx ia II T4 Baseefa 02ATEX0093
OPERATION	Battery Type: 4 x alkaline AA size Typically 20 hours life
SENSITIVITY (cc/sec)	He 1×10^{-6}, CH4 1×10^{-4}, R12 1×10^{-4}, Ar 2×10^{-4}
ACCURACY	- 10% Displayed Reading – One digit
RESPONSE	T90 = 1 second rise and clear down
ALARMS	Flashing LED and 90 dBA (10 cm) audible sounder
CALIBRATION	Calibrated to UKAS / NIST standards
DATA LOGGING (5000is only)	36,000 data points with date and time stamp (G2 and G3 only)
FLOW RATE	1 cc/min or 2 cc/min (with outer probe removed)
TEMPERATURE	Operating: -4 to 140º F (-20 to 60º C) Storage: -4 to 158º F (-20 to 70º C) Humidity: 0 to 99% RH (non-condensing)
WEIGHT & DIMENSIONS	Instrument with probe: 15.5 x 2.3 x 1.9" (390 x 60 x 49mm) Case: 16.5 x 12.5 x 3.8" (420 x 320 x 97mm) Instrument: 1 lb (0.45 kg); packed 3.5 lb (1.6 kg)