

TM Electronics, Inc.

Specialists in Leak, Flow and Package Testing



Gas Check 5000-IS

"The Only Gas Leak Detector that Measures"

- ❑ *Pin-point Leaks*
- ❑ *Automatic Display of Leak Rate*
- ❑ *Choice of Measurement Units*
- ❑ *Detects All Gases*
- ❑ *Cordless and Highly Portable*
- ❑ *NAMAS & NIST Traceable*
- ❑ *BASEEFA Approved Version Available*

The *GAS CHECK 5000-IS* identifies the source of gas leaks quickly and easily, and enables you to quantitatively measure any leakage found. Hand held and cordless, the *GAS CHECK* is simply traced around suspect flanges, valves, and joints – leaks are pin-pointed with an audible alarm and a direct leak rate reading in a choice of units. The instrument can be used with one hand and the special flexible long probe provided allows easy access to difficult to reach areas. The Gas Check 5000-IS is **intrinsically safe** and approved by BASEEFA.

Gas Check 5000-IS is particularly sensitive to hydrogen, helium and high molecular weight gases, like carbon dioxide and R134a. Principally calibrated for helium, the unit has multiple gas selection. The tactile keypad gives the user total control. Fitted with a large backlit LCD, the display shows unit setting and numerical readout, even in dark confined spaces. When searching for leaks the unit can easily be set into auto-range, giving the maximum sensitivity when required. Peak hold control allows accurate reading of leak rate, which is useful where external or traceable standards apply.

The GC5000-IS has many advanced features, such as data-logging with time and date stamp record keeping, choice of units including ppm and a user settable alarm level. No cables are required with the dated download facilities as the connection is through an infrared port.

SPECIFICATIONS: GAS CHECK 5000-IS

Detector: Micro Thermal Conductivity Detector
Operation: Battery Type: 4 x Alkaline AA size;
Typically 40 hours life, IS version 20 hours.
Sensitivity (cc/sec): He 1×10^{-5} , CH₄ 1×10^{-4} ,
R₁₂ 8×10^{-5} , Ar 1×10^{-4}
Accuracy: +/-5% Displayed Reading +/- one digit
Response: T90 – 1 second, rise and clear down.
Alarms: Flashing LED and 90 dBA (10 cm) audible
Calibration: Certified NAMAS/NIST standards
Communication: Bi-directional, using IR port
Datalogging: 20,000 Data points with time & date

PC Software: Microsoft Windows compatible.
Flow Rate: 2 ml/min or 2 cc/min
Temperature: -20 to +60°C, -13 to 140° F
Humidity: 0 to 99% RH (non-condensing)
Storage Temperature: -20 to +70°C, -13 to 158°F
Dimensions (Instrument/ probe): 390 mm x 60 mm
x 49 mm, 15.5" x 2.3" x 1.9"
Case: 420 mm x 320 mm x 97 mm, 16.5" x 12.5" x 3.8"
Weight: Instrument 0.45 kg, 1 lb.
Packed in case 1.6 kg, 3.2 lb.
CE Marked: MC tested EN50081-1 & EN50082-1 7/ 98

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We can tell you a lot... www.tmelectronics.com

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