

# TM Electronics, Inc.

Specialists in Leak, Flow and Package Testing



## Gas Check 3000 Series

*"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 3000* series of gas leak detectors 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. This is particularly useful when working to quality or emission standards that should be below a certain level. The instrument can be used with one hand and the special flexible long probe provided allows easy access to difficult to reach areas. There are various models to choose from, including a BASEEFA approved **intrinsically safe version**.

Based on a principle of thermal conductivity, the *GAS CHECK* detects all gases other than air, but it is particularly sensitive to Helium and Hydrogen based gases. The sensor is not a consumable item and calibration is traceable to NAMAS standards. A Portable Reference Leak provides a NAMAS/NIST traceable leak standard to allow you to regularly check the calibration of the Gas Check. This is recommended for ISO conformance.

**Detector:** Micro volume thermal conductivity cell

**Sensitivity (cc/sec):** He  $1 \times 10^{-5}$  CH<sub>4</sub>  $1 \times 10^{-4}$  R12  $8 \times 10^{-5}$  Ar  $1 \times 10^{-4}$  , as examples

**Response:** 1 second with 1 second clear down time

**Batteries:** supplied 4 x AA

**Battery life:** 40 hours (typical unlit), 20 hours (intrinsically safe version)

**Calibration:** Certified to ISO 9000, using standards which are themselves calibrated by UKAS (NAMAS) or NIST laboratories

**Dimensions:** 385 mm x 60 mm x 50 mm (depth) or 15 in x 2.5 in x 2 in

**Weight with batteries:** 0.6 kg or 1.1 lb

**Weight (Packed):** 1.6 kg or 3.2 lb

**CE marked:** EMC tested EN50081-1 & EN50082-1 (July 98)

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We can tell you a lot... [www.tmelectronics.com](http://www.tmelectronics.com)

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