



# GASCHECK R2<sub>pc</sub>

## Fast, Effective, Refrigerant Gas Leak Measurement



A highly sensitive, handheld instrument for the rapid detection and measurement of refrigerant and air-conditioning gases including R12, R134a, R600a, R22, R404a, R407c and R1301.

### Features:

- Unique sensing system for refrigerant gas leak detection
- Highly sensitive
- Rapid response
- Choice of display, gm/yr and ppm
- Automatically compensates for background levels of CFC's
- Measurement mode for finding and holding peak readings
- Audible and visual alarm
- Handheld and light weight

### Applications include:

- Gas Supply
- Refrigeration
- Automotive
- Air Conditioning

Advanced Gas Sensing Technologies

[www.ionscience.com](http://www.ionscience.com)



GasCheck R2pc is designed specifically for the detection and measurement of refrigerant gas leaks. Its unique sensing system and inbuilt pump and flow management system enables high sensitivity and rapid response to the smallest of leaks - 0.2 gm/yr.

Robust and reliable, GasCheck R2pc can be switched to display leak rates in gm/yr or ppm. Leak rate measurements are continuously updated allowing the leak to be accurately located and the leak rate exponential measured.

Obtaining a direct leak rate measurement and locating the source is a simple one-handed operation. A detected leak triggers the flashing LED and loud audible alarm, clearly indicating the leak present.

The instrument's unique compensating circuit automatically allows for background levels of CFC's to be subtracted out of the response, as well as limiting temperature and humidity changes to ensure that hydrocarbons are accurately detected. The response characteristics of each gas group are held in the instrument's memory.

Continuous operation is achieved from the mains power supply or via rechargeable batteries (typical battery life 5 hours). Ion Science recommends GasCheck is left plugged into the mains power supply at all times when not in use to maintain optimal sensor performance.

### Accessories

Enhance your instrument with an exclusive range of Ion Science accessories. Contact Ion Science for more information.



## TECHNICAL SPECIFICATION

### DETECTOR

Composite microprocessor controlled ceramic with low sensitivity to interfering gases such as alcohol

### MINIMUM DETECTABLE LEVEL

$1.3 \times 10^{-6}$  ml/sec, 5 ppm, 0.2 gm/yr (R134a)

### DETECTS

All CFC, HFC and HCFC gases

### OPERATION

Mains: 110 - 240 VAC

Batteries: 4 x AA NiMH typical 5 hrs life per recharge

NB: It is recommended that the instrument is kept on the mains at all times when not in use

### RESPONSE

1 second, with a 5 second clear down\*

### ALARM LEVEL

15 gm/yr (R134a and equivalent sensitivity gases)

### PROBES

Standard 100 mm, Long 300 mm, Flex and stay

### WEIGHT & DIMENSIONS

Instrument with probe: 385 mm x 60 mm x 50 mm, 15.2" x 2.4" x 2"

Standard Case: 420 mm x 320 mm x 97 mm, 16.5" x 12.5" x 3.8"

Instrument: 0.4 kg or 0.9 lb, Packed: 1.9 kg or 4.2 lb

\*Dependent on leak size detected

Part number 639 V1.1 This publication is not intended to form the basis of a contract and specifications can change without notice.



ION SCIENCE is ISO9001:2000 certified  
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