

Trident Refrigeration Ltd

Refrigerant Leak
Detection Solutions

Gas Leak Detection Overview

There are different environmental reasons why gas leak detection is needed and an endless list of benefits for you, the customer, for having the right solution in place.

Through our extensive technical, industry and legislative experience, our focus is to put our customers first.

We aim to:

- Establish strategic partnerships in key applications whilst offering ongoing support
- Enhance product innovation to ensure that we can offer you legislative driven, environmental ngineering solutions that provide you with cost savings.

There are a number of applications that we proactively supply into. Here are just some of the applications where you will find our products:

- Supermarkets
- Refrigerated storage/distribution centres
- Food production & processing
- Chiller plant rooms
- Air conditioning applications
- Hotels
- Data centres















The Benefits of Gas Leak Detection

Environmental Reasons:

Reduce Your Carbon Footprint

Companies active in the refrigeration industry are measured upon the direct impact of CO₂ emissions Reducing your carbon footprint will not only have a positive effect on operating costs but will help the environment and can help enhance your market reputation.

Maximise Energy Efficiency

Regular service & support, replacing inoperational equipment and manual leak detection provides substantial improvements in efficiency.

15% gas loss = 100% increase in energy consumption

Refrigerant Loss

Refrigerant leakage to the atmosphere can result in product loss, causing systems to operate inefficiently and is detrimental to the environment. Many refrigerants are potent greenhouse gases whilst others can cause depletion of the ozone layer therefore it is imperitive that your gas leak detection equipment identifies these possible leaks as quickly as possible.



Customer Benefits:

Legislation Compliance

Our refrigerant leak detection systems provide an ideal and ready-made solution to comply with necessary industry legislation. Where possible, we can ensure compliance of F-Gas Regulations, EN378 and BREEAM accreditation.

Minimise Costs

Quick identification of refrigerant gas leaks minimise the cost of having to replace lost (and increasingly more expensive) refrigerant gases.

Personnel & Customer Protection

Leaked refrigerant gases can be hazardous to health. In some cases they can put personnel and customers in a situation where their life could be in critical danger. The quick response of our products produce an alert to avoid danger at the earliest sign.

Fixed Refrigerant Leak Detection Systems



KEYFEATURES

- Unique detection of up to 32 individual points
- Dual multi-gas detection including HFC/HCFC's & CO2, NH3 or Hydrocarbons
- Unique Quickscan feature Cycle time is reduced to seconds
- Intuitive touch screen user interface with password protection
- Fully configurable relays with fail-safe operation
- 3 configurable alarms per gas
- RS485 Modbus RTU communication protocol
- Ethernet port for datalogging and remote access
- Designed, manufactured and fully supported in the UK
- Listed on the Energy Technology List to benefit from 100% first year Enhanced Capital Allowances



KEYFEATURES

- Ideally suited to small/medium sized applications requiring up to 8 points of detection
- Detects HFC/HCFC's, CO2, NH3, or Hydrocarbons
- Low cost solution for sites requiring minimal number of monitoring points
- Compact design and easy to operate, reducing installation and training
- 4-digit, 7-segment display while another 2-character alphanumeric display indicates instrument status

EN378 and BREEAM"

who require a fixed system under the requirements of

■ Sensors operational from -30°C to +50°C allows usage in a broad range of applications

Handheld Refrigerant Leak Detectors

NEW Dual Gas Leak Detector Detect-F

For the detection of BOTH CO₂ & HFC's

Self diagnosing system

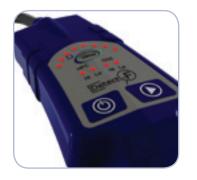
The Detect-F is the first portable gas leak detector to offer detection of both CO₂ AND Refrigerant gases - The convenience to perform leak detection with a single detector for both gas types.

The Detect-F allows you to select the gas that you wish to detect by simply using the two button configuration.

"Highly sensitive for both HFC's and CO2"

The Detect-F uses semi-conductor and electrochemical sensors to ensure high responsiveness of both refrigerant gases and CO₂. A progressive audio alarm and bright LED display alerts the user to any gas leaks.

The easy grip handle allows you to comfortably carry out gas leak detection. A high impact, rugged design and flexible metal hose increases accessibility for those hard to reach places.





Self calibration

Easy grip handle





Refrigerant Leak Detectors



- One instrument two functions
- Swap sensor tips in seconds
- Sensitivity is automatically adjusted
- Sequential flashing probe tip, dual LED displays and loud tick rate indicates relative concentration levels
- Detects all refrigerant and combustibles
- Response time is one fifth of one second

Bacharach Informant® 2

Dual Purpose Leak Detector

The Informant® 2 leak detector allows pinpoint detection of both refrigerant and hydrocarbon gas leaks with the same instrument.

Swap sensor tips within seconds and never worry about adjusting sensitivity levels—it's taken care of automatically – even where high levels of background vapours or refrigerants are present.

Bacharach Tru Pointe®

Refrigerant Leak Detector

The Tru Pointe® is suitable for Refrigerant Service Technicians and Plant Maintenance Engineers who are in need of a small, lightweight, and rugged refrigerant leak detector.

The Tru Pointe® is capable of detecting and then pinpointing small to large refrigerant leaks in tight spaces such as those found in refrigeration units.

- Instantly reponsive to all refrigerants
- Instantaneous response time
- Innovative sensor replacement design
- Audible & visual leak detection
- No user calibration required

