

IQGUARD INFRARED REFRIGERANT LEAK DETECTOR

PRODUCT BROCHURE

Ampcontrol's infrared refrigerant gas detectors are highly selective and accurate instruments to detect specific refrigerant gas leaks and a broad range of refrigerant gas types.

Sensors are set specifically to respond to the target gas to reduce false alarm situations which are a common issue with lower performing technologies such as semiconductors.

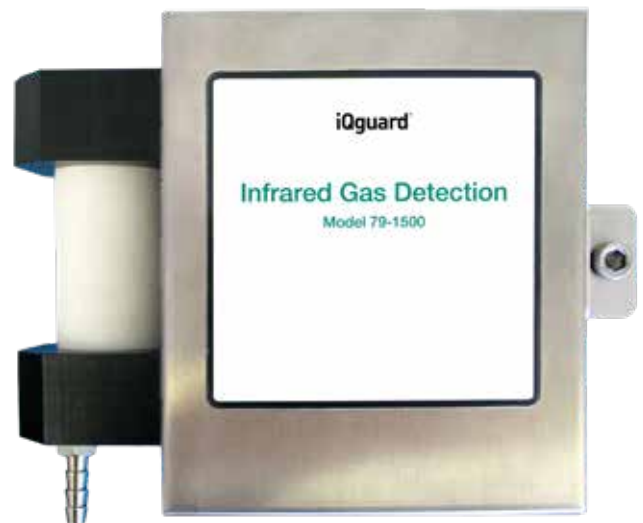
Photoacoustic infrared version also available.

GAS TYPES

- R22
- R134a
- R407c
- R410a
- R404S

FEATURES

- Stainless steel housing suitable for plant rooms
- Infra-red technology for accuracy
- Highly selective for gas type
- Self checking routines for fail safe operation
- Special version with modbus output
- Option to include de-icer
- Option to include RH4 temperature sensor



SPECIFICATIONS

Detection method	IR absorption
Sampling method	Continuous diffusion
Target gas	Various
Measuring range	0 - 5,000ppm
Accuracy	±2% full scale (FS) linearised
Repeatability	+ 1% FS
Response time	Raw: <3 seconds to 90% of FS Normal: <20 seconds to 90% of final reading High Gas Levels: <5 seconds to FS Value
Temperature range	-30°C to +85°C
Humidity range	0 - 99% Relative Humidity (Noncondensing)
Mean time between failures	Electronics: 10 Years, IR Source: 7 Years
Warranty	One Year (See Standard Warranty Addendum)
Operating voltage	11 - 28 VDC
Operating current	135mA at 12 VDC/75mA at 24 VDC
Connections	3 Wire, 4-20mA (Source)
Weight	1.95kg