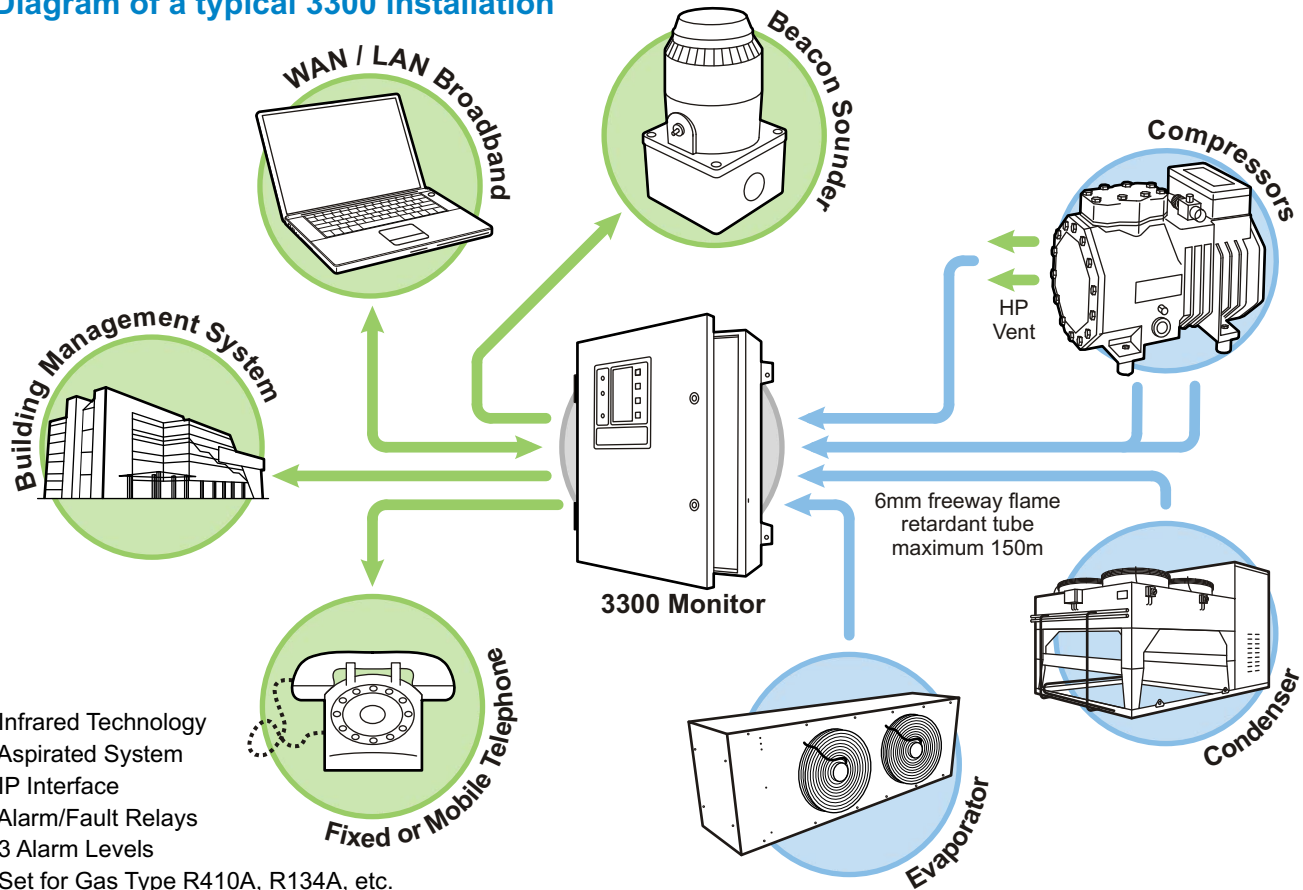


3300 REFRIGERANT MONITOR



The cost effective solution for Multipoint Refrigerant Leak Detection

Diagram of a typical 3300 installation



- Infrared Technology
- Aspirated System
- IP Interface
- Alarm/Fault Relays
- 3 Alarm Levels
- Set for Gas Type R410A, R134A, etc.

KEY BENEFITS & FEATURES

Infrared Absorption Analysis.	Best Available Technology - accurate and reliable analysis
4, 8, 12, 16 Channel Models.	Multi Channel Sampling - effective plant coverage
Adjustable Parameters for Each Channel.	Individual Refrigerant Type & Threshold - detection criteria bespoke to your plant
Backed by 20 Years of Monitoring Development.	Modular Resilient Design - reliability and low cost of ownership
Multiple Comms Protocols & Screen Interface.	Internet, BMS, RS232 Comms - data entry and interrogation to suit user
IP Addressable.	On-line Refrigerant Management - reporting scheme tailored to your needs
Refrigerant Legislation.	Use as Part of Legal Compliance - BS EN378, BREEAM, F-GAS.

3300 REFRIGERANT MONITOR

The 3300 Refrigerant Monitor utilises infrared absorption sensing technology and in addition to this the product embodies many additional facilities required for the speciality market sectors, such as military, marine and industrial.

The 3300 range of Refrigerant Monitors, which are compliant with C.E, U.L, and C.S.A standards, can be supplied in 2 different sizes and with a varying number of 'Sampling Channels' - 4, 8, 12, or 16, to suit installation requirements.

Each sampling channel has an individual filter set and pump, which passes samples over a factory calibrated infrared absorption sensor.

Parasense monitors can be used 'stand alone' or linked together to form networks, allowing information for the whole system to be retrieved from one central unit (Parasense HRM or PC).

Careful positioning of the flexible 'freeway' and 'spur kit' pipework allows the detector to draw air from potential leakage areas for monitoring and analysis.

Processed information regarding even the smallest readings of refrigerant are stored in the monitors memory and displayed on the door mounted LCD panel in graph or tabular form. A Traffic-Light style door display provides instant 'at a glance' status information. Monitors have three setable alarm levels which can be used to activate the four configurable relays. Two RS232 ports are available for communications purposes, such as local or remote interrogation.

Comprehensive management reports on the system condition and leakage trends are available by utilising a Parasense information management solution.

INSTALLATION/SAMPLING PIPEWORK

Air samples are pumped to the individual sampling modules (SAMMs) For measurement via 'freeway', flame retardant polyethylene pipework Which can be up to 150mtrs/500ft long.

Each freeway is terminated with a 'spur kit' consisting of a manifold block and up to four filter sampling pipes each up to 10mtrs/30ft in length. This ensures cost effective coverage of large plant or spaces. These should be distributed around the area to be monitored targeting the potential leakage locations.

SYSTEM INTERROGATION

Three methods of accessing stored information are available:

1. By use of the monitor's integral keypad and LCD.
2. Connection to a PC either locally or remotely via one of the Rs232 ports, using Parasense SE8000 software.
3. By subscribing to one of the Parasense information management solutions.

SPECIFICATION

Refrigerants Detected - CFCs, HCFCs, HFCs, Halons and blends of chlorinated and fluorinated hydrocarbons.

Sensitivity - Typically from 1 to 5,000 ppm dependant on refrigerant type.

Operating Range - Temp: 0°C/+32°F to +50°C/+123°F.

Humidity: 20% to 95% Non-condensing.

Power Consumption - 65 Watts.

Electrical Requirements - 100/240 volts AC, 50/60 Hz.

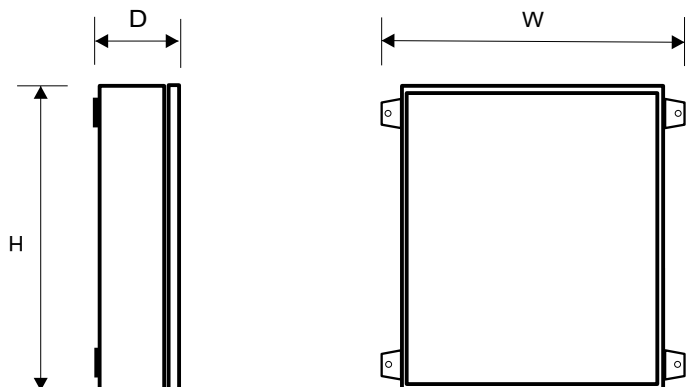
Outputs - Four volt free change over relays (24v rated) are available for control and signalling purposes.

- Fault relay.



DIMENSIONS

Monitor Type	Height mm	Width mm	Depth mm	Weight kg
3304/8	500	450	150	14
3308/8	500	450	150	15.5
3312/16	500	600	150	17
3316/16	500	600	150	21.5



PARASENSE LIMITED. Unit 12 Olympus Park, Quedgeley, Gloucester. GL2 4NF

Telephone: 01452 724123 Fax: 01452 724234 Email: sales@parasense.co.uk Web: www.parasense.co.uk