

INDUSTRY MODULE



INDUSTRY MODULE

A new series of single channel gas detection modules, initially for Ammonia, Carbon Monoxide, Chlorine, Freon and Halocarbons.

Aimed at specific areas of industry as the name implies, these instruments have been developed as single point gas detectors for local mounting requiring the minimum of attention.

The INDUSTRY MODULE is contained in a compact wall mounting polycarbonate cabinet sealed to IP54 standard, which is dust, dirt and waterproof. A clear scratch resistant polycarbonate front allows viewing of the gas concentration on a bright four digit display together with the flashing alarm light.

Supplied complete with an integral sense head and audio/visual preset alarm, but where there is a requirement for the indicator/alarm unit to be fitted elsewhere other than adjacent to the monitored area units can be supplied with a remote sense head. To operate, power requirements are minimal requiring only 25 watts at 240 volts 50Hz or 50 Watts at 110 Volts 60 Hz.

TYPICAL APPLICATIONS

Carbon Monoxide

Blast Furnaces
Boiler Houses
Cable Ducts
Car Parks
Cooking Ovens
Garages
Generating Stations
Incinerators
Loading Bays
Road/Rail Tunnels

Chlorine

Aluminium Refining
Chemical Synthesis
Fungicides
Herbicides
Paper Pulp Manufacture
Pesticide
Plastic Manufacture
Solvent Manufacture
Swimming Pools
Water Treatment
Plastic Polymer Manufacture

Ammonia

Water treatment
Chemical Synthesis
Cleaning Agents
Dyestuffs
Electroplating
Explosive Manufacture
Fertilisers
Inhibitors
Nitric Acid Production
Propellants
Refrigeration

Halogens

Adhesive Manufacture
Asphalt Manufacture

Degreasing Baths
Dewaxing Treatment
Dry Cleaning
Edible Oil Extraction
Electronic Component Cleaning
Hospitals
Laboratories
Metal Cleaning Baths
Paint Manufacture

Freons

Air Conditioning
Aerosols
Chillers
Cosmetics
Dry Cleaning
Electronic Cleaning
Expanded Plastics
Frozen Foods
Refrigeration
Printed Circuit Board Cleaning
Textile Industry



MULTI GAS DETECTORS

Example -Multi-purpose wall mounted gas monitoring system.

Unit comprises robust polycarbonate enclosure with clear Delrin door enabling viewing of gas concentration on displays. Sealed to IP 55.

All sensing components are fitted within the enclosure and sampling of gaseous contents of oven aspirated through 4mm polyurethane tubing.

Four independent digital display show gas concentration.

Detection system comprises the following:-

Three solid state sensor, (10 year lifetime) for detection of Oxygen, Carbon monoxide and Oxides of

Nitrogen.

Carbon Dioxide detection system comprises a high stability Infra-red engine.

An internal filter is fitted to screen out any particulate matter and an hydrophobic filter to protect the system from the ingress of water.

In built aspirating pump.

One adjustable alarm level for each channel and common alarm relay with volt free contacts, integral audible and visual alarm.

Accuracy +/- 2% of scale, response time less than 10 secs, operating temperature 0 -45°C. Unaffected by humidity (non condensing).

Power requirements: 90-130 volts or 190-260 volts, 50/60Hz.