

PEEL GAS DETECTOR MODEL NO. 01-OAVB

(Approved for specific use in the telecommunications industry)

OPERATING INSTRUCTIONS

1. Switch 'on' by pressing on-off button

2. High pitch beeping will sound and red led will illuminate, wait for beep to stabilize after approx. 30-45 secs.

3. Turn sensitivity control clockwise slightly then anti-clockwise till you hear a 'slow' uniform beeping for maximum sensitivity.



4. Low Battery Led (Green) will illuminate when batteries require re-charging. Only charge with NiMH charger included.

5. If malfunction occurs yellow led will illuminate to indicate a fault and 'return to manufacture for service'.

6. Insert/place probe in area requiring detection, probe is attached to 1.5mtr 'spring' cord

Safety Precautions-

- Inspect the detector each time it is used and check that none of the electrical cables are damaged.
- Test the detector before using (i.e. with LPG from a cigarette lighter, exhaust from vehicle etc.)
- Unit is designed to be used in non-hazardous areas, if user is unsure whether area is hazardous or non-hazardous, then they should check with supervisor or equivalent authorized person.
- This detector is not designed to detect oxygen deficiency/excess.

CALIBRATION INFORMATION

General Gas Detector – Model No. O1-OAVB

Sensor type – Figaro 813 (SnO₂) Semi-Conductor Type

The Gas sensitive semiconductor sensor is based on N type SnO. When combustible or reducing gases are absorbed on the sensor surface a marked decrease of electrical resistance occurs. Major features of the detector include high sensitivity small amounts of ppm gas detected, and the ability to detect gas without deterioration.

The sensor detects 50 – 1,000ppm, stabilizes in 45 secs. is made of high quality plastic/stainless steel/gauze etc. Peel Gas Detector 813 Sensors will operate efficiently for 20 yrs plus, with normal use.

The Detector with 813 sensor is factory calibrated and does not require determination or re-calibration.

The PEEL Gas Detector, in association with AS/NZ S. 61779.1 – 2000 standards is intended for the supply of Gas Detection, giving a level of safety and performance suitable for general purpose applications. However, for specific applications a prospective purchaser or relevant authority may require the Gas Detector to be submitted for testing and/or approval in hazardous areas according to intended use. There are areas where there is no compliance for use such as CO₂ detection (Carbon Dioxide), explosives etc. Attached Reference Data sheets outline gases detected and UL Classifications etc.

MAINS COMBUSTIBLE AND TOXIC GASES DETECTED

Hydrocarbons and Their derivatives:

Methane/Ethane/Propane/Butane/Pentane/Hexane/Heptane/Octane/Decane/Petroleum Ether/Petroleum/Benzene/Gasoline/Kerosene/Petroleum Naphtha/ Acetylene/ Ethylene/ Propylene/ Butylene/ Benzene/ Toluene/ O-Xylene/ M-Xylene/ Ethylene Oxide.

HALOGENIZED HYDROCARBONS:

Methyl Chloride/ Methylene Chloride/ Ethyl Chloride/ Ethylene Chloride/ Ethylidene Chloride/ Trichloro Ethane/ Vinylidene Chloride/ Trichloro Ethylene/ Methyl Bromide/ Vinyl Chloride.

ALCOHOLS: Methanol/ Ethanol/ n-Propanol/ iso-Propanol/ n-Butanol/ iso-Butanol

ETHERS: Methyl Ether/ Ethyl Ether

KETONES: Acetone/ Methyl Ethyl Ketone

ESTERS: Methyl Acetate/ Ethyl Acetate/ n-Propyl Acetate/ iso-Propyl Acetate/ n-Butyl Acetate/ iso-Butyl Acetate

NITROGEN COMPOUNDS: Nitro Methane/ Mono Methyl Amine/ Dimethylamine/ Trimethyl Amine/ Mono Ethyl Amine/ Diethyl Amine

INORGANIC GASES: Ammonia/ Carbon Monoxide/ Hydrogen/ Hydrogen Cyanide