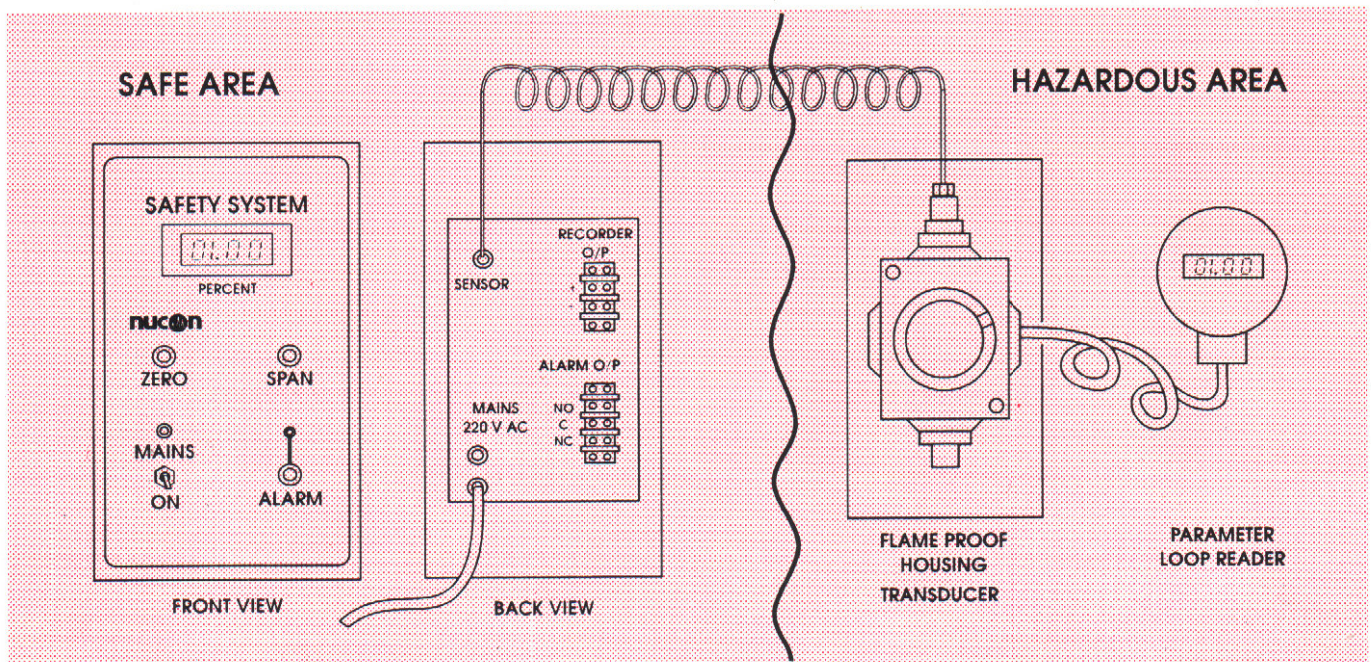


SAFETY GAS ANALYSER

For Butane, Propane, LPG, Solvents, Hydrogen
and other COMBUSTIBLE Gases/Vapours



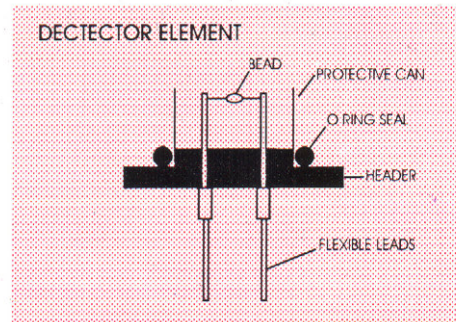
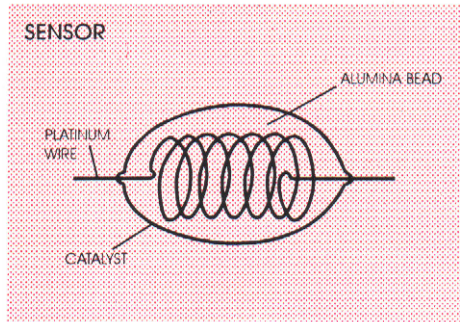
Model 4900 continuously Detects **Combustibles** in Air and keeps a check on the level by a preset Alarm. Typical applications are Monitoring for pipeline and storage vessel leakage to assure the presence is below the Lower Explosive Limit (LEL). Calibration is typically with Hydrogen and responds to other combustibles as per relative response factor; calibration for other gases on request e.g. butane. The Detector works in 4 to 20 mA Transmitter Mode. Optional remote display available. Signal can also be taken to PLC/Computer to Generate Alarms and Reports.

APPLICATIONS

- | | | |
|--|--|---|
| <input type="checkbox"/> Hydrogen Plants | <input type="checkbox"/> PSA Gas Plants | <input type="checkbox"/> Hydrogen Storage |
| <input type="checkbox"/> De Oxo units | <input type="checkbox"/> Hydrogen Transportation | <input type="checkbox"/> Process Industry |
| <input type="checkbox"/> Hydrogen Pipeline | <input type="checkbox"/> Gas Chromatograph oven | <input type="checkbox"/> Laboratory |
| <input type="checkbox"/> Reactor Vessels | <input type="checkbox"/> Solvent Storage | <input type="checkbox"/> Research |

PRINCIPLE OF OPERATION

Catalytic Thermal Conductivity for combustible gas detection. In each sensor pair there is a non active compensating reference and an active catalytic sample element. In the presence of combustible gas a signal proportional to concentration is generated.



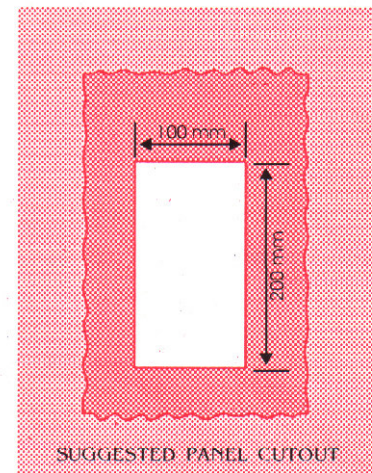
Output : Concentration level in percentage or LEL in percentage on Digital display. Please specify option. Recorder Output 0–1 V DC standard or 4 to 20 mA DC optional.

Alarm : Preset facility via ten turn direct reading dial over entire range. Output via panel LED and 1 Pole, 2 way relay with NO, C, NC contacts on back panel.

The Control Module is located in a safe area with 220V AC Mains and is cable connected to Sensor housed in Flame Proof Enclosure (IIA/II B for LPG, IIC for Hydrogen). The sensor Block is made out of stainless steel and has sintered protection barrier. The detector works in 4 to 20 mA Transmitter configuration for output. Optional Flame Proof Self Powered Flame Proof Loop Readers available.

SPECIFICATIONS

- Display Type** : Digital
- Monitoring Range** : 0–5.00% Typical or 0–100% LEL
- Alarm** : Front Panel setting. Output relay with potential free contacts NO, C, NC on the back panel.
- Output** : 0–1 V DC standard. 4 to 20 mA optional
- Power** : 220 V AC mains
- Dimensions** : Panel Mounting requires Panel cutout W 100 mm x H 200 mm. Depth 305 mm



Manufactured by :

NUCON ENGINEERS

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