

Nucon offers a range of Gas Analysers for different gases. These use different detectors and are based on different technologies. There are a variety of real life applications where there is a need to monitor different constituent gases in a sample. We can use different Gas Analysers to monitor or where the use is established, design a system to monitor multiple gases with one system. These are Nucon Series MGA Multi Gas Analysers and are mostly custom configured as per user needs.

## PARAMETERS MONITORED :

- ☐ Oxygen Percent
- ☐ Oxygen Trace
- ☐ Hydrogen Percent
- ☐ Hydrogen Trace
- ☐ Dew Point
- ☐ Relative Humidity
- ☐ Temperature
- ☐ Pressure
- ☐ Flow
- ☐ Total Hydrocarbons
- ☐ Combustibles
- ☐ Carbon Dioxide Percent
- ☐ Sulphur Dioxide
- ☐ Ammonia

- ☐ Carbon Dioxide Trace
- ☐ Carbon Monoxide Trace
- ☐ Nitric oxide
- ☐ Hydrogen Sulphide
- ☐ Chlorine
- ☐ Nitrogen Dioxide



**MGA 2H**

**SAMPLING** relates to flow or travel of sample to detectors. The simplest are **DIFFUSION** or **PRESSURISED SAMPLE** where sample can flow on its own by self-pressure. Where this does not happen, it is necessary to install a pump for **EXTRACTIVE SAMPLING**. On-line direct or remote transmitter operation in 4-20mA loop options are available.

**SAMPLE CONDITIONING** is provided as per condition of sample gas. It is necessary to cool if sample is heated, and remove moisture and dust to pass on clean sample to detectors for monitoring. As per requirement suitable cooling coil, filters, pressure regulators, flow controllers, safety valves and By-Pass valves are provided. Special housings are available for incorporating various elements of sample conditioning.

**ANALYSER OUTPUT** is on Digital Display and Terminals for 4-20mA or 0-1V D.C. are provided. Optional self powered optical isolators with 4-20mA input and 4-20mA output are available.

User set **ALARM** over operating range is provided

**DATA PROCESSING, LOGGING** and **PC** compatibility options are available.

**PACKAGING** : It is possible to package MGA in Panel mounting, Wall mounting or Table Top applications.

**GAS CONNECTIONS** : Standard fittings are 1/8" swagelok type. 1/4" fittings are optionally provided.

**POWER** : All instruments are available for 220V A.C. or 110V A.C. operation.

**APPLICATIONS** : Process monitoring, Engine Testing, Pure Gas and Gas Mixture Analyses, Combustion Monitoring, Food Storage and Packing, Furnace Monitoring, Atmospheric Studies, Safety systems Pollution Monitoring etc.



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