ATMOSPHERIC MONITORS WITH ALARM

NUCON has developed a range of Atmospheric Monitors that continuously monitor non-desirable gases or lack of desirable gases in atmosphere by means of specific diffusion sensors. The output is available on a Digital display as well as a 4-20 mA retransmission signal (standard) or 0-1 V DC signal (on request). User can also set an Alarm HI or LO as per type of gas being monitored), at his required level, over the entire range of monitoring. In Alarm condition a 1P2W Relay gets actuated (NO,C,NC terminals available) and a large `LED cluster indicator' lights up to indicate Alarm condition. A high intensity buzzer is installed for Audio Alarm; audio can be optionally switched off.

The instrument requires 220 V AC power (optional 110 V AC on request).

The instrument has an acrylic cover for safety and dust protection.

The instrument can be wall mounted or can be used as table top system.

Gases that can be monitored:

1.	**Oxygen Model: 4400A**	:	**Range : 0 – 30.0%** **Alarm : Low** **Principle: Electrochemical**
2.	**Methane Model: 4900A-IR-CH_4**	:	**Range : 0 – 5.00%** **Alarm : High** **Principle: Electrochemical**
3.	**Propane Model: 4900A-IR-C_3H_8**	:	**Range : 0 – 2.00%** **Alarm : HI** **Principle: Infra Red**
4.	**Carbon Dioxide Model: 2009-A**	:	**Range : 0 –0.500% PPM Or 0-5.00%.** **Alarm : High** **Principle: Infra Red.**
5.	**Carbon Monoxide Model: 500-A-CO**	:	**Range : 0 – 1999 PPM** **Alarm : High** **Principle: Electrochemical**

6.	**Ammonia Model: 500-A-NH_3**	**:**	**Range : 0 – 100.0 PPM** **Alarm : High** **Principle: Ammonia**
7.	**Ammonia Model: 500-A-Cl2**	**:**	**Range : 0 – 100.0 PPM** **Alarm : High** **Principle: Chlorine**
8.	**Combustible Model: 4900-A**	**:**	**Range : 0 – 5.00% combustible** **Alarm : High** **Principle: Pellister modified Thermal Conductivity Detector.**

Other gases on request.

MULTIGAS ATMOSPHERIC MONITORS MODEL: MGA-A: There are Multigas Atmospheric Monitors. They use two or more Sensors and have same number of Displays and Output signals and Alarms as the sensors. Examples are (i) O_2 + CO_2 MGA (ii) O_2 + CO MGA (iii) O_2 + NH_3 MGA (iv) O_2 + CH_4 MGA (v) O_2 + CO + CO_2 MGA etc.

DUAL ALARM: The Atmospheric Monitor has standard one user preset Alarm per channel (gas) with one indicating light and one Relay output. However, an optional custom, Dual Alarm i.e. two user set Alarms levels per channel (gas) can also be custom provided.