

LIN LOX LAR ANALYTICAL SYSTEM - ASU



LIN LOX LAR ANALYTICAL SYSTEM – ASU-
Fully automated system to detect impurities into
Oxygen, Nitrogen Argon and bulk samples



- GC analyser based on gaschromatography
- Paramagnetic analyser
- Zirconia probe oxygen analyser
- Infrared detector gas analyser
- Total Hydrocarbon analyser
- Electrochemical sensors analyser
- Moisture analysers

The ANALYTICAL SYSTEM can:

- -print certificates;
- - communicate with a PLC PLANT by Bus interface (MODBUS – LAN - RS232 or contact closure)
- -send alarms/information about analysis results and system state

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ANALYTES

LIN LOX LAR ANALYTICAL SYSTEM-ASU



The system perform the following analysis:

| | |
|----------------------|--|
| Air (Ambient) | Total hydrocarbon ppm |
| Oxygen | Total hydrocarbon ppm O2 purity CO ppm CO2 ppm Moisture ppm |
| Nitrogen | N2 purity - GC N2 FU Total hydrocarbon ppm O2 purity CO ppm CO2 ppm NOX ppm Oxygen ppm Moisture ppm |
| Argon | GC measuring O2-N2-CH4-O2-CO2 ppm Moisture ppm |

Intelligent software collects all results from various instruments for specific reports whilst storing results with all information about the specific sample analyzed. All samples can be analyzed by manual selection, timetable mode, remote call or from a badge reader remote station

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The system is composed by:

1 NITROGEN CABINET

- Pneumatic for sampling
- Personal computer
- AGC TCD gascromatograph for purity
- AGC THC on line gascromatograph for total hydrocarbon
- Delta F analyser for trace oxigen
- Infrared analyser for trace carbon monoxyde
- Infrared analyser for trace carbon dioxyde
- Electrochemical analyser for moisture
- Chemiluminescent analiser for nitric oxydes (NOx)

1 OXYGEN CABINET

- Pneumatic for sampling
- Personal computer
- AGC THC on line gascromatograph for total hydrocarbon
- Paramagnetic analyser for purity
- Infrared analyser for trace carbon monoxyde
- infrared analyser for trace carbon dioxyde
- Electrochemical analyser for moisture

1 ARGON CABINET

- Pneumatic for sampling
- Personal computer
- AGC on line gascromatograph argon
- Electrochemical analyser for moisture

OPTION: REMOTE BADGE READERS STATIONS

- Heavy use Personal computer for badge reading
- Pneumatic for sampling