



# ALDOC

The continuous Air Liquide Dissolved Oxygen Control and monitoring system



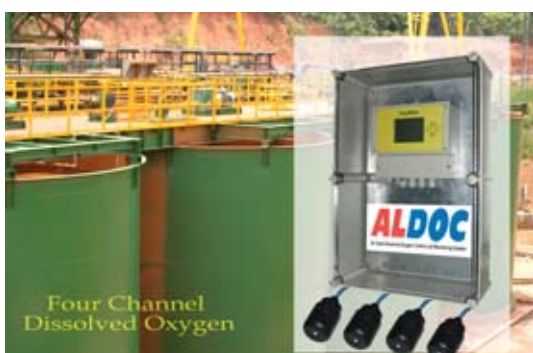
The generally preferred method of recovering gold involves the dissolution of the metal in the presence of cyanide and Dissolved Oxygen in an alkaline medium.

We have developed a product specifically for the South African Gold Leaching Industry.

**ALDOC** enables the user to accurately monitor and manipulate Dissolved Oxygen levels with a probe and membrane.

The **ALDOC** system is connected to a control valve that regulates the required oxygen injection rate. Once a required Dissolved Oxygen level is programmed (the system is programmed), the system will maintain this level automatically adjusting oxygen flow.

Being in control of the Dissolved Oxygen levels means the user is in control of leaching efficiencies.



Imagine what performance could be

# The continuous Air Liquide Dissolved Oxygen Control and monitoring system

The **ALDOC** services comprises the following

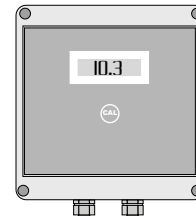
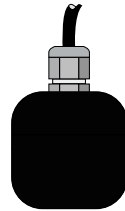
AL will supply, install and maintain all equipment as shown in the illustrations below.

Capabilities + Control + Confidence = **ALDOC** = Savings

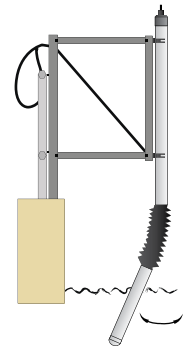
## Technical Advantages

This system gives several advantages over traditional systems

- Reliable probe and membrane system
- long lasting membrane
- Self Calibration - Measures in ppm (mg/l) or % saturation
- Calibrates in 2 minutes once a month
- indicates adjustment to oxygen flow



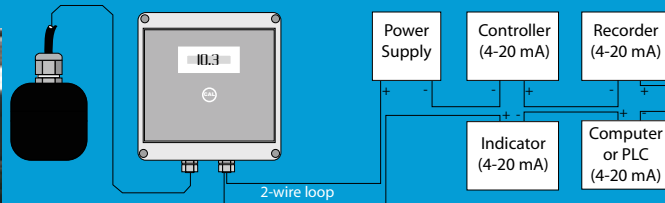
Probe and display Box shown half size



Low Pressure  
Bottom Injection  
2.5bar



High Pressure  
Shear Reactor  
8bar



The Model B40 is designed for use with circuits from 15 volts and max. 50 ohm up to 35 volts and max. 1050 ohm. take care! Many current sensing devices do actually have resistors hidden behind their input terminals. The graph shows the safe operating area. The total load resistance must include cable resistance etc ...

- South Africa – cyanide destruction
- South Africa – pre-ox and leach
- Ghana – pre-ox and leach
- Thailand – pre-ox and leach
- Mali - pre-ox and leach



### Benefits

- Price
- Quality
- Service
- Inventor on board
- Reduced Cyanide Consumptions
- Improved Kinetics
- Improved Recoveries



Please contact Air Liquide Marketing at Head Office Alrode. Tel: 011 389 7000