

Monitoring Control System



Oxymat A/S



Intro

Oxymat A/S is a global supplier of gas systems and has manufactured gas generator systems since 1978. We offer the most cost-effective and reliable systems on the market. Therefore customers are within all industries and productions, right from fish farming to food and metal industries.

Innovation is another key point that Oxymat A/S is focusing on to be ahead of the competitors. Therefore we have developed a new *monitoring system*, which we can offer to our customers.

Multi Control System

The system is called **Multi Control System** (in short MCS). It is a monitoring system offering *advanced technological options* controlled from a *user-friendly "touch screen"*. Touching it with your index finger operates the system. In this way you can set up the system according to your needs for monitoring: **purity, pressure, flow, and valves**.

Trouble Shooting

With MCS it is both simple and safe to monitor variables such as:

- Purity: If the purity of the gas changes, you will be able to detect it and make the necessary changes.
- Pressure: You will be able to monitor that the pressure remains at the same level.
- Flow: You will be able to monitor the flow and adjust it if necessary.
- Valves: A defect valve will be detected so it can be fixed.

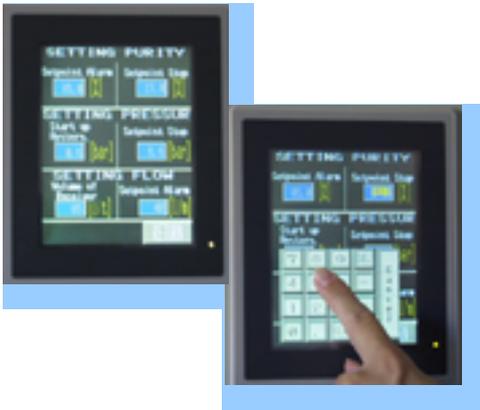


Alarm-function

Alarm levels can be adjusted according to individual needs and programmed in MCS. If the purity, pressure or flow changes in proportion to the values set-up or if a valve is defect, an alarm will occur. You will easily be able to detect what is wrong and where so it can be fixed. This ensures a *continuously optimal function* of the gas system according to specific needs and branch requirements.

Alarm-report

With MCS it is also possible to make alarm-reports. A report can for example show when and where an alarm has appeared, how it was handled and by whom. In this connection you can set up procedures about handling alarms according to requirements



Function

It is easy to change the values. You enter the MCS by the "touch screen", and then you change the values according to requirements and press ENTER. Now the system is adapted to your specific needs.

Unique Options

MCS is very user-friendly and to satisfy all needs according to monitoring your gas production, we can offer you some extra options for the system:

- **Sms-message**
When an alarm appears, MCS sends automatically a message to e.g. the supervisor's mobile phone. This gives you an opportunity for monitoring your gas application 24 hours a day.
- **Intra- Internet**
With MCS it is also possible to monitor from your office PC via the Intra-/Internet.
- **Data-logging**
All measurements of purity, pressure, flow and other variables including alarms can be useful in situations where you have to show documentation, e.g. according to branch requirements, ISO or international standards and control inspections.
- **Special needs**
Other applications can be adapted to the system according to individual needs - e.g. remote control.

Advantages with MCS

- **User-friendly** - the system is easy to operate from the "touch screen".
- **Flexibility** - MCS can be set up according to individual needs for monitoring including unique options.
- **Safety** - with alarm set-up and stop-function you will be able to avoid failures with your gas production.
- **Optimization** - MCS ensures optimal gas production.
- **Documentation** - the data logging can give you detailed information.
- **Security** - with MCS you will have a reliable system for monitoring 24 hours a day.
- **Profitability** - By the end of the day it might be a profitable system to you.

Quality

20 years with research and development combined with high experience about various gas applications has made it possible to manufacture products of high quality.

European Market

All our OXYMAT® units are CE-approved and made of European produced parts.



Market References

Among our international clients are NATO and Swedish Nuclear Power Plants and fish farmers worldwide, more than 300 plants are supplied. Today OXYMAT® is supplying oxygen and nitrogen generators worldwide. We have at present more than 20 distributors worldwide.

Our systems are used within the following industries:

Modified atmosphere packaging
Blanketing
Aquaculture
Sewage and drinking water treatment
Flame cutting and welding
Medical treatment
On site soil treatment
Ozone production
And many other applications

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