

▶ MX16 O2

Oxygen monitoring system



Technical specifications

Function : Controller of the oxygen level in the air
Power supply : 100-240 Vac 50-60 Hz (35W) with a 2 meter power wire included

O2 sensor :

- **Measuring range :** 0 – 30 %/vol. certified SIL2
- **Measuring technology :** electrochemical cell
- **Materials :** stainless steel

Display :

- Backlit graphic LCD
- Switching to reverse video in case of an alarm
- Bar graph with indication of alarm thresholds

Keys : 5 contextual keys + 1 audible alarm acknowledgment button

Alarm : 2 alarm levels (A1 & A2) + fault

Outputs :

- 2 alarm relays (A1 & A2) + 1 fault relay
- Buzzer 90 dB and red flashlight (on threshold 1)
- RS485 Modbus RTU protocol (option)

Data recording : History of the last 512 events

Dimensions : 265 x 266 x 196 mm

Protection class : IP55

Operating conditions :

- **Temperatures :** 20 to 50°C
- **Humidity :** 5 to 95% HR (without condensation)

Certifications :

- EMC : Compliant with EN 50270 :15
- Low Voltage Directive : Compliant with EN 61010-1 :1

Product description

The **MX16 O2 controller** unit is a device designed to monitor the level of oxygen in the ambient air. It is totally autonomous and easy to set up. It is a practical and economical solution for constant air control in rooms using an air network, a cylinder of nitrogen or asphyxiating gas.

This gas detection system is extremely intuitive and easy to use, and features a large graphic LCD screen with backlighting, 2 levels of alarms which can be programmed on relays, a powerful buzzer and a red flashing light to indicate that limits have been exceeded (on falling edge).

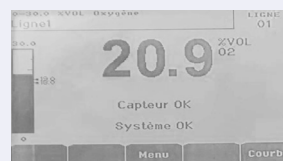
The **MX16 O2 controller** offers a standard event history recording function (alarms, defaults, etc...). In addition to the basic functions which are sufficient in most cases, the **MX16 O2 controller** unit has 2 alarm relays for additional control functions (such as sirens, phone transmitters, gas solenoid valves).

▶ MX16 O2 assets

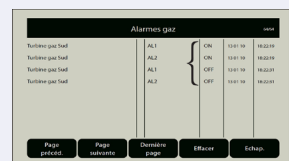
- Autonomous ready-to-use equipment for continuous monitoring of the oxygen level in the ambient air
- Wall mounting without special installation, includes a 2 meter power cable
- Large LCD screen with backlighting with information on the oxygen concentration in the air
- 2 alarm relays for extra controls
- Buzzer 90 dB and red flashlight (on limit 1 at 19% O2/vol.)
- Last 512 events history
- Excellent quality/price ratio as no installation is required

▶ Application examples

- Hospitals, analysis laboratories
- MRI rooms (with helium cell)
- Universities, classrooms and research centers
- Cryogenics environments
- Bottling and brewery units



Normal mode display



History management