

▶ MX32

Gas detection controller (up to 8 gas sensors)



Technical specifications

Function: Multichannel measurement and alarm controller

Capacity/number of sensors:

- Digital line: 4 detectors per channel, 2 lines max.
- Analog line: 4-20 mA linear inputs, 2 lines max.
- Wheatstone bridge line: 2 lines max. (OLC series)

Dimensions: 265 x 266 x 196 mm **IP Rating:** IP55

Power supply: 100-240 Vac 50-60 Hz or 21-28 Vcc, 92 W max

Display: Backlit graphic LCD, user-customizable views, bargraph with indication of alarm thresholds

Status indicators: 7 LEDs for each of the 2 channels, 1 power-on indicator and 1 general fault indicator

Alarms: 5 alarm levels per measurement channel

Internal relays: 4 programmable potential-free changeover contact relays + 1 fault relay (non-configurable)

Digital output: RS485 Modbus protocol (optional)

Cable entry and exit: 5 PE M16 for cables from 4 to 8 mm² & 2 PE M20 for cables from 6 to 12 mm²

Certifications :

- SIL 1 : According to EN50271:10
- CEM : According to EN 50270:2015, industrial type 2

Operating temperature: -20 to +50°C

Humidity: 5 to 95 % non-condensed

Product description

The **MX32** gas controller unit, available in Wheatstone bridge version, analog and / or digital, easily adapts in most applications with the possibility of connecting up to 8 detectors on all of its 2 channels.

This excellent value for money controller unit, has many advantages such as exceptional modularity, a backlit 4" graphic LCD display, 5 alarm levels programmable by channel, as well as contextual keys for easy menu navigation (several languages available).

▶ 3 available versions

The MX32 controller unit is available in 3 versions to meet the greatest number of applications:

- Version 1: 1 4-20 mA sensor or up to 4 digital sensors
- Version 2: 2 4-20 mA sensors or up to 8 digital sensors
- Version 3: 2 Wheatstone bridge sensors series OLC10/100

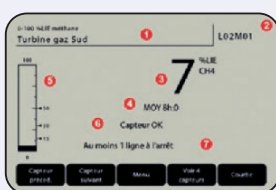
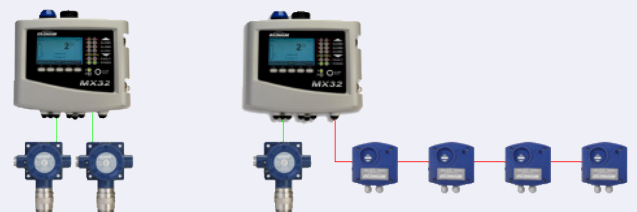
▶ Numerous modules for great flexibility

The MX32 controller unit accepts different modules allowing system capacities and flexibility to be increased:

- Addressable module with 8 analog inputs that can receive all types of 4-20 mA analog transmitters
- Addressable module of 4 or 8 relays (+2 logic inputs) which can be deported as close as possible to servo controls.
- Addressable module with 16 digital inputs that can receive all digital information (emergency stop, limit switch, fire alarm).
- Addressable module with 4 analog outputs for connection to a recorder, a PLC, a building management system, etc.

▶ The MX32 controller assets

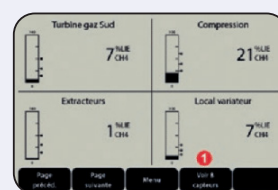
- Up to 8 digital or 2 analog gas detectors
- Large graphic LCD screen and customizable views
- 5 alarm levels per measurement channel
- History of the last 512 events



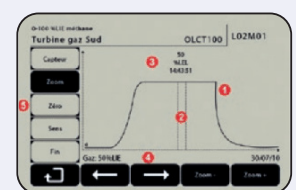
Normal mode display



Alarm mode display



4 sensors simultaneous display



Calibration curve display

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