

▶ MX43

Gas Detection Controller (up to 32 gas detectors)



Technical specifications

- Function:** Multichannel measurement and alarm controller
Dimensions: 370 x 299 x 109 mm (wall-mounted version) 483 x 177 x 192,5 mm (rack 19" 4U) – Ingress protection IP55 (wall-mounted), IP31 (rack)
Capacity:
- Digital lines: 4 detectors per line, 8 lines max, RS485 communication, proprietary protocol
 - Analog lines: Linear inputs 4-20 mA, 8 lines max.
- Power supply:** 100-240 Vac 50-60 Hz, consumption 500mA
Display: LCD back-lit display, user-customizable views, bargraph with indication of alarm thresholds
Visual indicators: 7 LEDs for each of the two channels, 1 power-on indicator and 1 fault indicator
Alarms: 5 alarm levels per measurement channel
On-board relays: 5 fully programmable alarm relays potential free + 1 fault relay (non-configurable)
Datalogging:
- By default, 512 storages by event types
 - Optional USB port to save measurements and alarms
- Digital output:** RS485 Protocole Modbus (optional)
Cable entries: 12 PE M16, 4 to 8 mm² outer diameter cable & 6 PE M20, 6 to 12 mm² outer diameter cable
Certifications: EMC: according to EN50270
Operating temperature: -20 to +50°C

Product description

The MX43 multi-channel gas detection unit has been developed to meet the user's needs in terms of flexibility, quality and ease of use. It is a digital and analog unit intended for the measurement of gases present in the atmosphere with the possibility of connecting up to 32 gas detectors in 8-line version.

This controller has many advantages such as exceptional flexibility with a wide choice of input / output modules, a backlit 4" graphic LCD screen, as well as contextual keys for easy navigation in the menus. An optional USB port allows archiving of measurements and events over several years with a 4 MB storage key.

▶ Several versions available

The MX43 controller unit is available in 3 versions to meet the greatest number of applications. A 4-line version for wall mounting (up to 16 sensors), an 8-line version for wall mounting (32 gas sensors) or 19" 4U rack mounting.

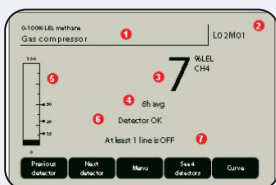
▶ Numerous modules for great flexibility

The MX43 controller unit accepts different modules to increase the capabilities and flexibility of the detection system.

- 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 the 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.
- USB port for recording measurements, events (alarms, sensor faults, etc.) and configuring the system.
- Modbus RS485 digital communication module for connection with supervision or wireless receiver module.

▶ The the MX43 controller assets

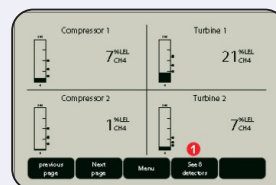
- Up to 32 digital or analog gas detectors.
- Large graphic LCD screen and customizable views.
- 5 alarm levels per channel (AI1, AI2, AI3, and average)
- Logs of the last 512 events (standard) and archiving of measurements and parameters on optional USB key.



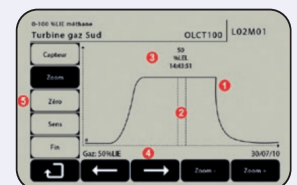
Normal mode display



Alarm mode display



4 sensors simultaneous display



Calibration curve display

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