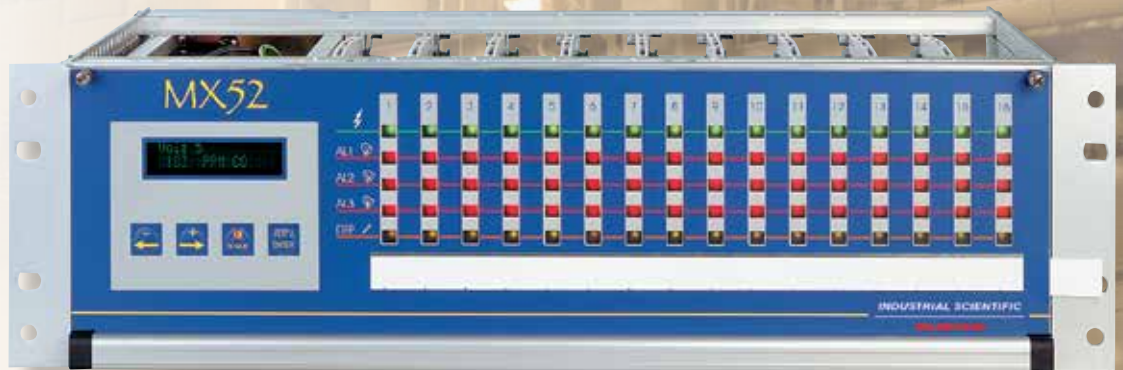# MX 52

16 CHANNEL CONTROLLER

- 2 to 16 channels
- 1 fault and 3 alarm indications per channel
- 19" 3U cardframe
- SIL 2 approved according to EN 6511

CERTIFICATIONS

ATEX

ATMOSPHÈRES EXPLOSIVES
INERIS
04/II/IEC QAS Approved
EXPLOSIVE ATMOSPHERES

CE

SAFETY DEVICES
SIL
INERIS
DISPOSITIFS DE SÉCURITÉ

MX 52 CONTROL UNIT

MX 52 controller accepts inputs from flammable (4-20 mA transmitter or catalytic bridge types) and toxic gas detectors. The MX 52 modular design allows you to build your own gas detection system to meet your requirements.
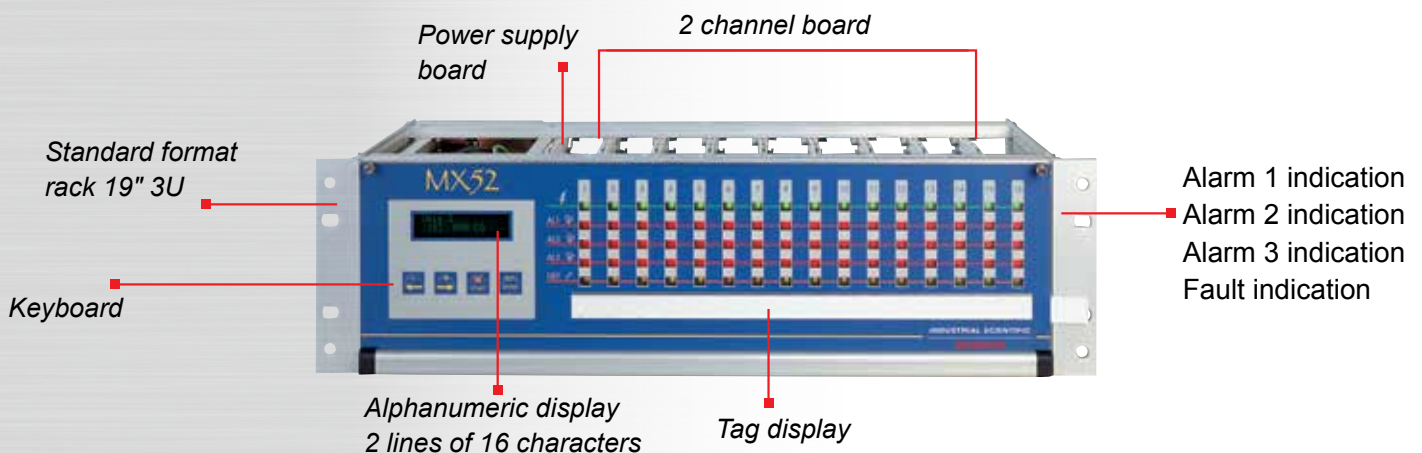
MX52

A CONTROL UNIT THAT FULFILLS YOUR NEEDS

The innovative features of the MX 52 are integrated in a 3U 19" frame rack for use in various applications. The MX 52 can be programmed thanks to the keyboard or with a laptop.

DETECTION DISPLAY AND ALARMS

Each of the 16 channels performs as follow:

- Continuous monitoring
- Scrolling display of the monitored gas, nature, content and unit (ppm, LEL or %)
- Alarms are triggered if content exceeds preset thresholds
- Relays activated to enable external warning devices (valves, audible/visual alarms…)
- General fault alarms

Power supply board

2 channel board

Standard format rack 19" 3U

Keyboard

Alphanumeric display 2 lines of 16 characters

Tag display

Alarm 1 indication
Alarm 2 indication
Alarm 3 indication
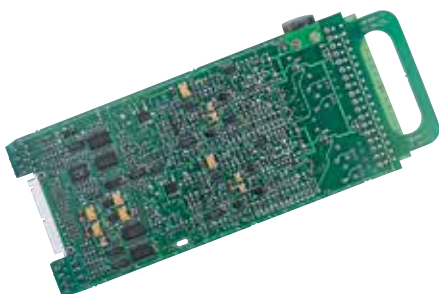Fault indication

PERFORMANCE

- The main frame is a 19" rack frame 3U high with up to 16 channels (8 cards - 2 channels each)
- Easy wiring
- Easy programming
- Fault and gas alarms monitored by a built in micro-controller
- 8 cards with 2 independent channels each
- Fixed or scrolling fluorescent display with 2 lines, 16 characters
- 3 gas alarm thresholds individually adjustable
- Instantaneous alarms 1 and 2
- Alarm 3 on delay or average
- General fault alarm
- Local TEST push button
- Fail safe relay operation
- Maintenance mode indicated by LED
- 5 LED indicators per channel
- Local or remote alarm acknowledgement
- 4-20 mA input enables the connection of any analog transmitters (flame, temperature, air velocity, pressure…)
- Common digital output (RS485 MODBUS protocol) and 4-20 mA output per channel
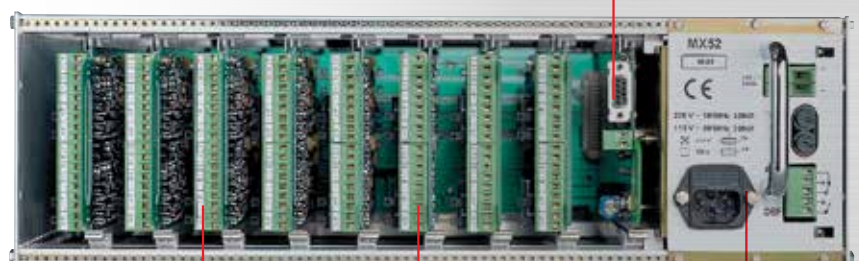
RELIABILITY

Protection against RF and electromagnetic interferences prevents from false alarms (CE marked)

SAFETY

The MX 52 controller is approved as a SIL 2 Safety Instrumented System according to EN 61511 and is compliant with European standards EN 50054, 50081 and 50082

Output RS485

2 channels board

2 channels board

Terminal block