

CM-80 Gas Detection Control Unit



GENERAL DESCRIPTION

CM-80 control units are a series of data acquisition and control modules, for analog and digital signals ideal for small and medium gas detection systems.

Different gas detectors for different gases (including oxygen gas detectors) can be connected to CM-80 control unit. Gas type, detection range, detector full scale, alarm thresholds and relays out puts configuration are programmable by operator. Programming details are protected by Password.

All CM-80 series control panels are extremely well isolated, noise resistant and have n.8 analogue inputs for the connection of a maximum of n.8 gas transmitters 4-20mA.

CM-80 control units have internal stabilized 13.75 Vdc 2.5A Power Supply and output for a 12V, 7.2 A/h back-up battery. A built-in protective circuit controls the battery efficiency, isolating it in case of under or over voltage.

CM-80 can be supplied in "Open Frame" version or installed in a "Wall mounting metal cabinet" with Power Supply included, completely wired and programmed according to specific customers requests.

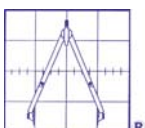
Applications:

Multigas detection systems for industry
Commercial buildings
Gas Storage plants and warehouses
Waste water plants
Car parkings monitoring - Building automation
Process monitor systems
Security systems

Main Characteristic

- 8 Analogue Inputs for 4-20mA transmitters.
- 2 Optocoupled Digital inputs
- Backup battery circuit.
- Backlighted LCD display 2 lines x 20 characters for on site main information visualization.
- Front panel with graphic indications.

Copyright Oggioni s.a.s.



OGGIONI S.a.s. Via Laboratori Autobianchi, 1 - P.T.B. Edif.13/O - 20832 Desio (MB) - Italy
Tel.+39 0362 995062 Fax. +39 0362 622531 e-mail: info@oggionisas.com - www.oggionisas.com

GENERAL SPECIFICATIONS

TTL / CMOS or Contacts	Optocoupled interface
8 x Analogue Inputs	4-20mA
1 x Analogue Output	4-20mA
2 x Digital Inputs	Optocoupled
6 x Relays outputs	Free Voltage Contact

ENVIRONMENTAL SPECIFICATIONS

EMC	According to EN61000-4
Storage temperature	-40 to 85 °C
Operating temperature	-20 to 70 °C
Humidity range	90% R.H. n.c.

MECHANICAL SPECIFICATIONS

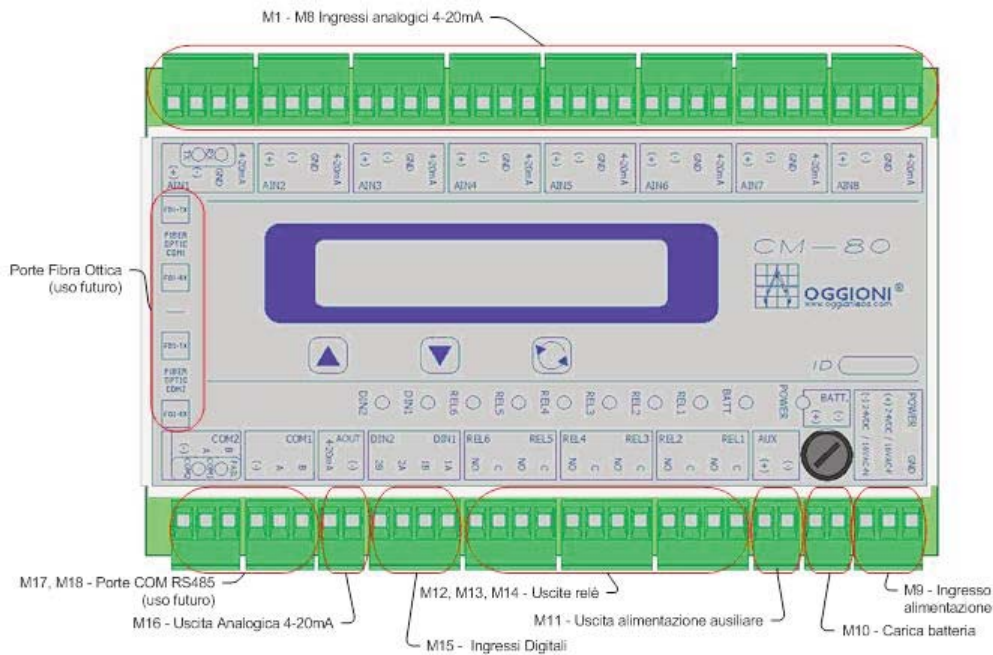
Overall dimensions	Open Frame model: 185 x 70 x 130 mm (LxWxH)
Mounting rails	Din 41612
Wall mounting	Metal Box version: 300 x 110 x 400 (LxWxH)
Cabling	Screw terminals AWG 26...14
Material	Aluminium body
Protection Range	IP30
Weight	0,4 Kg. (Open Frame) 1,5 Kg. (Metal Box)

ELECTRICAL SPECIFICATIONS

Supply voltage	16Vac or 24 Vdc
Power Consumption	90mA at 16Vac 350mA at 24Vdc
Stabilised power supply output	13.75 2 A
Supply Fuse	3A
Auxiliary Power Supply Fuse	1A
Overvoltage protection	± 50V.
Output Contacts	Free Voltage contacts Relays SPDT
Contact Rating	3A at 30Vdc / 5A at 110Vac

PART NUMBER DESCRIPTION

Configuration	Description
CM-80	Openframe version
CM-80-B	Wall Mounting metal box version



Distributed by:

Copyright Oggioni s.a.s.

OGGIONI s.a.s. reserves the right to change published specifications and designs without prior notice.



OGGIONI S.a.s. Via Lavoratori Autobianchi, 1 - P.T.B. Edif.13/O - 20832 Desio (MB) - Italy
Tel.+39 0362 995062 Fax. +39 0362 622531 e-mail: info@oggionisas.com - www.oggionisas.com