

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 medium and small gas detection systems.

Different gas detectors for different gases (including oxygen gas detectors) can be connected to CM-80 control unit. Alarm thresholds and relays out puts are programmable by operator.

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" including transformer completely wired and programmed according to specific customers requests.

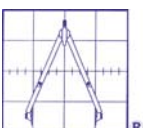
Applications:

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

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 Optocoupled Inputs	
6 x Contact Relays outputs	

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

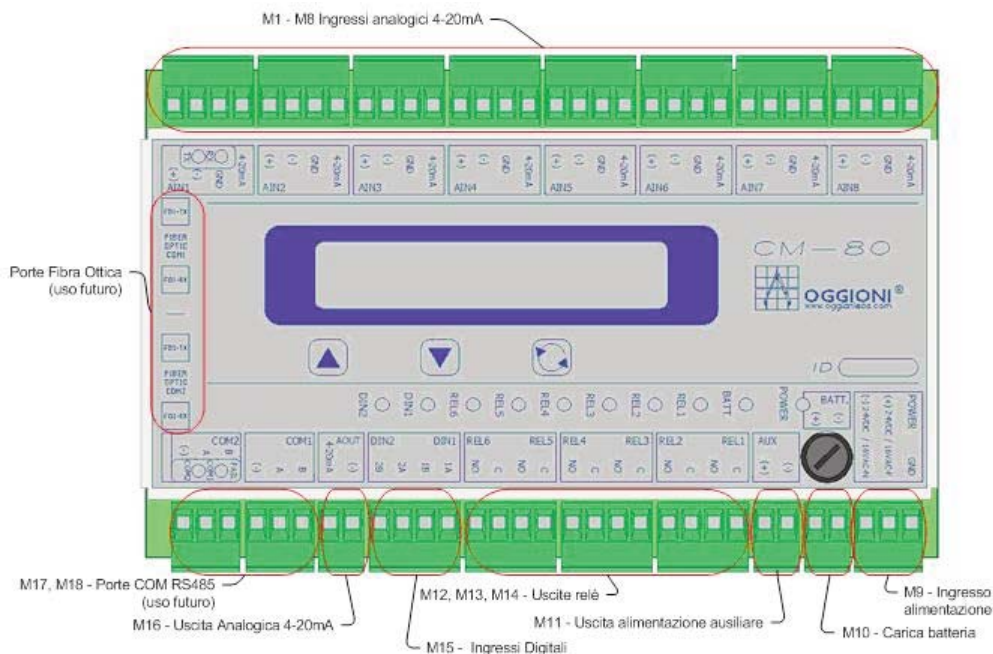
Overall dimensions	190,20 x 115,50 x 34,50 mm
Mounting rails	Din 41612
Cabling	Screw terminals AWG 26...14
Material	Aluminium body
Protection Range	IP30
Weight	0,4 Kg.

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 SPDT
Contact Rating	3A at 30Vdc / 5A at 110Vac

PART NUMBER DESCRIPTION

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



Distributed by:

