Macurco™
Building & Home Solutions






Whether you are looking for gas detection for a security system, building automation or HVAC system, for personal safety or for monitoring specific gases in potentially hazardous environments, Macurco has a gas detector to meet your needs.



Grey Housing (Standard)

Commercial Series

6-Series (12-24V) & 12-Series (120V) Fixed Gas Detectors

The Macurco 6 & 12 Series fixed gas detectors provide life-saving solutions to protect people and property. These fixed gas detectors are designed for low-level detection, mitigation, and notification. Let these detectors do the work for you by shutting off valves, turning on fans, engaging horns and strobes, and providing notification to fire panels and building automation systems when gases reach vital limits.

CX-6, CX-6-CO, CX-6-NO_2, CM-6, GD-6, HD-6 ***ETL Listed to UL 2075***



White Housing Option

Key Features

- **ETL Listed to UL 2075**
- Easy installation to 4x4 electrical boxes via mud plate
- User selectable settings (Default to industry standards) via two-button interface
- 5 A SPDT fan relay, 0.5A alarm relay to control fans, valves, louvers, horn and strobes
- 4-20mA output to control VFDs and send to BMS
- LED display to show gas concentrations easily
- End of life notification

Applications

- Parking garages
- Mechanical rooms
- Restaurants
- Battery charging stations
- Breweries
- Storage facilities
- Loading docks
- Warehouses
- Firehouses & ambulance bays
- Refrigeration facilities
- Vehicle repair facilities
- Bus depots

Commercial Series

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Specifications

Size	4 1/2 x 4 x 2 1/8 in. (11.4 X 10.2 X 5.4 cm)
Weight	1 pound (0.45 kg)
Voltage/Current	***6-Series*** Power: 3 W (max) from 12 to 24 VAC or 12 to 32 VDC :Current @ 24 VDC: 75 mA in alarm, 50 mA fan relay on and 23 mA stand by ***12-Series*** Power: 100-240 VAC (50 to 60 HZ) Current: 1.0 A MAX
Operating Temperature	0°F to 125°F (-17.8°C to 51.7°C) *CO_2 Detectors:* 32°F to 122°F (0°C to 50°C) *H_2 Detector:* -22°F to 158°F (-30°C to 70°C)
Ambient Humidity	10-90% RH non-condensing
Display	LED (can turn on/off)
Current Loop	Analog: 4-20mA MRS-485: Digital Modbus adapter BRS-485: BMS communication
Mounting	4" x 4" electrical box
Relays	5A Fan relay & 0.5A alarm relay User adjustable settings
Certifications	See exact detector manual for certifications
Warranty	Two year limited warranty

Accessories

Name	Model Number
Control Panels	DVP-120, DVP-120M, DVP-120B, DVP-1200
Adapter Options	MRS-485, BRS-485
Horn and Strobe (4 color options)	HS-A, HS-B, HS-R, HS-C
Duct Mount Kit	DMK-1
Weatherproof Housing Kit	WHK-1
Step-down Transformers	PS-24, PS-24-H
Calibration Kits	Based on Gas Type



Control Panels

Adapter Options


Horn and Strobe



Calibration Kits


Weatherproof Housing Kit
(Detector sold separately)

Model Number	Gas Type	Range (Units)	Low Level Alarm Adjustable **(Default)**	High Level Alarm Adjustable **(Default)**	Expected Sensor Life	Recommended Coverage Area
CX-6 | CX-12	Carbon Monoxide (CO) & Nitrogen Dioxide (NO_2)	(CO) 0-200 PPM (NO_2) 0-20 PPM	Refer to CM-6 (CO) & TX-6-ND (NO_2)	Refer to CM-6 (CO) & TX-6-ND (NO_2)	5 Years**	Up to 7,500 sq. ft.*
CX-6-CO | CX-12-CO	Carbon Monoxide (CO)	(CO) 0-200 PPM	0, 15, 25, **35**, 50 or 100 PPM	0, 50, 100, 150 or **200** PPM	5 Years**	Up to 7,500 sq. ft.*
CX-6-NO_2 | CX-12-NO_2	Nitrogen Dioxide (NO_2)	(NO_2) 0-20 PPM	0, 0.5, 0.7, 1.0, 1.2, 1.5, 1.7, 2.0, 2.2, **2.5**, 2.7, 3.0, 3.2, 3.5, 3.7, 4.0, 4.2, 4.5, 4.7, 5.0 PPM	0-20 PPM, (**5 PPM default**)	5 Years**	Up to 7,500 sq. ft.*
CM-6 | CM-12	Carbon Monoxide (CO)	0-200 PPM	0, 15, 25, **35**, 50 or 100 PPM	0, 50, 100, 150 or **200** PPM	10 Years	Up to 7,500 sq. ft.*
GD-6 | GD-12	Propane (LP) Methane (NG) Hydrogen (H_2)	0-50% LEL	0, 3, 4, 5, 6, 7, 8, 9, **10**, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20% LEL	5, 10, 15, **20%** LEL	5 Years	Up to 1,257 sq. ft.*
HD-6	Hydrogen (H_2)	0-50% LEL	0, 3, 4, 5, 6, 7, 8, 9, **10**, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20% LEL	0, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, **20%** LEL	10 Years	Up to 1,257 sq. ft.*
OX-6 | OX-12	Oxygen (O_2)	0-25 % V/V	0, 18, 18.1… , **20.2**, 20.3, 20.4 & 20.5% v/v & high 23.5 % v/v (preset)	0, 18.5, 19, **19.5**, 20, 20.5 and high 23.5 % v/v (preset)	2 Years**	Up to 1,257 sq. ft.*
CD-6MC | CD-12MC	Carbon Dioxide (CO_2)	0-5,000 PPM	0, 600, 700, 800, 900, **1000**,1100... 2000... to 5000 PPM	0, 900, 1000, 1100...**4000** ... to 5000 PPM	15 Years	Up to 5000 sq. ft.*
CD-6G (24V Only)	Carbon Dioxide (CO_2)	0-5% V/V	OFF, 0.09, 0.1... **0.2**...0.25, 0.50, 1.00, 1.50, 2.00, 2.50, 3.00, 3.50, 4.00	OFF, 0.09, 0.1... 0.2...0.25, **0.50**, 1.00, 1.50, 2.00, 2.50, 3.00, 3.50, 4.00	15 Years	Up to 5000 sq. ft.*

CX-6, CX-6-CO, CX-6-NO2, CM-6, GD-6, HD-6 *ETL Listed to UL 2075* ETL Intertek

*See detector manual for additional certifications

** Replaceable Sensor

*Coverage Area is Application Dependent

ISO 9001:2015 CERTIFIED

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