MACURCO
GAS DETECTION

Portable and fixed gas detection equipment for residential, commercial and industrial applications

Product	Carbon Monoxide	Combustible Gases	Nitrogen Dioxide	Hydrogen Sulfide	Ammonia	Oxygen	Refrigerants	Carbon Dioxide	Control Panel	Control Panel	Modbus Adapter
Image											
12-24 VAC or 12-32 VDC	CM-6	GD-6	TX-6-ND	TX-6-HS	TX-6-AM	OX-6	RD-6	CD-6	100-240VAC	100-240VAC	MRS-485
100-240VAC	CM-12	GD-12	TX-12-ND	TX-12-HS	TX-12-AM	OX-12	RD-12	CD-12	DVP-120	DVP-120M	12-24 VAC or VDC
Features	• 5A Control relay • 0.5A Alarm Relay • Digital Display • Internal Buzzer • 4-20mA current loop • DVP-120 compatible • ETL Listed • 7 year sensor	• 5A Control relay • 0.5A Alarm Relay • Digital Display • Internal Buzzer • 4-20mA current loop • DVP-120 compatible • ETL Listed • 5 year sensor	• 5A Control relay • 0.5A Alarm Relay • Digital Display • Internal Buzzer • 4-20mA current loop • DVP-120 compatible • ETL Listed • 2 year sensor, field replaceable	• 5A Control relay • 0.5A Alarm Relay • Digital Display • Internal Buzzer • 4-20mA current loop • DVP-120 compatible • ETL Listed • 2 year sensor, field replaceable	• 5A Control relay • 0.5A Alarm Relay • Digital Display • Internal Buzzer • 4-20mA current loop • DVP-120 compatible • ETL Listed • 2 year sensor, field replaceable	• 5A Control relay • 0.5A Alarm Relay • Digital Display • Internal Buzzer • 4-20mA current loop • DVP-120 compatible • ETL Listed • 2 year sensor, field replaceable	• 5A Control relay • 0.5A Alarm Relay • Digital Display • Internal Buzzer • 4-20mA current loop • DVP-120 compatible • ETL Listed • 7 year sensor	• 5A Control relay • 0.5A Alarm Relay • Digital Display • Internal Buzzer • 4-20mA current loop • DVP-120 compatible • ETL Listed • 10 year sensor	• 12 sensor inputs • Three 10 amp relays • Horn/strobe drivers • Internal buzzer • Lockable enclosure • Digital display, LEDs	• 99 sensor inputs • Three 10 amp relays • Horn/strobe drivers • Internal buzzer • Lockable enclosure • Digital display, LEDs • ETL Listed • Uses MRS-485	An adapter used to convert the 4-20mA analog signal from the Macurco 6-Series type detectors to a digital signal for use with multipoint addressable systems and DVP-120M.
Applications	Automobile exhaust, parking garages, forklifts, loading docks, vehicle repair facilities, warehouses, kitchens, laundries, heaters	Methane (NG), Propane (LP), Hydrogen (H2), battery charging, warehouses, vehicles, landfills, repair facilities, golf carts, battery back-up	Diesel exhaust, parking garages, warehouses, loading docks, bus depots, firehouses, ambulance bays, maintenance facilities	Refineries, pulp and paper mills, waste disposal, sewer gas, swamp gas and manure gas, crude petroleum	Industrial refrigeration, warehouses, grocery stores, hockey rinks or other commercial refrigeration applications	Wastewater treatment plants, hospitals, factories, storage facilities and other commercial applications	Industrial refrigeration, warehouses, cold storage, grocery stores and other commercial refrigeration applications	Offices, gyms, auditoriums, conference rooms, schools, retail stores, restaurants, theaters and other commercial applications	Parking garages, loading docks, vehicle repair facilities, arenas, warehouses and other commercial applications	Parking garages, loading docks, vehicle repair facilities, arenas, warehouses and other commercial applications	For use with Building Automation Systems, Control Panels or other Control Devices that accept Modbus communications.
Mode	Stand Alone or System	Stand Alone or System	Stand Alone or System	Stand Alone or System	Stand Alone or System	Stand Alone or System	Stand Alone or System	Stand Alone or System	System	System	System
Area	5,000 ft² (465 m²)	900 ft² (84 m²)	5,000 ft² (465 m²)	900 ft² (84 m²)	900 ft² (84 m²)	900 ft² (84 m²)	900 ft² (84 m²)	5,000 ft² (465 m²)	60,000 ft² (5,580 m²)	495,000 ft² (46,035 m²)	See Sensor
Weight	1 pound (0.45 kg)	1 pound (0.45 kg)	1 pound (0.45 kg)	1 pound (0.45 kg)	1 pound (0.45 kg)	1 pound (0.45 kg)	1 pound (0.45 kg)	1 pound (0.45 kg)	6.5 pounds (2.93 kg)	6.5 pounds (2.93 kg)	0.25 lb. (0.11 kg)
Size	4 1/2 x 4 x 2 1/8 in. (11.4 x 10.2 x 5.4 cm)	4 1/2 x 4 x 2 1/8 in. (11.4 x 10.2 x 5.4 cm)	4 1/2 x 4 x 2 1/8 in. (11.4 x 10.2 x 5.4 cm)	6 X 6 X 3 in. (15.2 x 15.2 x 7.6 cm)	6 X 6 X 3 in. (15.2 x 15.2 x 7.6 cm)	6 X 6 X 3 in. (15.2 x 15.2 x 7.6 cm)	6 X 6 X 3 in. (15.2 x 15.2 x 7.6 cm)	6 X 6 X 3 in. (15.2 x 15.2 x 7.6 cm)	10 x 12 x 2 in. (25.4 x 30.5 x 5.1cm)	10 x 12 x 2 in. (25.4 x 30.5 x 5.1cm)	3.5 x 2 x 1.75 in. (8.9 X 5.1 X 4.4 cm)
Environment	0°F to 125°F (-18°C to 52°C) 10 to 90% RH Non-Condensing	0°F to 125°F (-18°C to 52°C) 10 to 90% RH Non-Condensing	0°F to 125°F (-18°C to 52°C) 10 to 90% RH Non-Condensing	0°F to 125°F (-18°C to 52°C) 10 to 90% RH Non-Condensing	0°F to 125°F (-18°C to 52°C) 10 to 90% RH Non-Condensing	0°F to 125°F (-18°C to 52°C) 10 to 90% RH Non-Condensing	0°F to 125°F (-18°C to 52°C) 10 to 90% RH Non-Condensing	32°F to 122°F (-10°C to 50°C) 10 to 90% RH Non-Condensing	32°F to 120°F (0°C to 50°C) 10 to 90% RH Non-Condensing	32°F to 120°F (0°C to 50°C) 10 to 90% RH Non-Condensing	0°F to 125°F (-18°C to 52°C) 10 to 90% RH Non-Condensing

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Type	Carbon Monoxide	Combustible Gases	Hydrogen Gas	Combustible Gases	Carbon Monoxide	Hydrogen Sulfide	Oxygen	Combustible Gases	Toxic Gases	Combustible Gases	Duct Mount Kit
Image											
Product	CM-E1	GD-2B	HD-11	GD-2A	CM-1	HS-1	OX-1	5100-02-IT	5100-XX-IT	5100-28-IT	DMK-1
Features	• Flush mounts over a single-gang box • UL Listed, CSFM • Designed for connection to Fire Alarm/Burglary Panels • Buzzer • Test Button • Alarm and Trouble Relays • 10 year Sensor	• Flush mounts over a single-gang box • Alarm: 25% LEL methane and propane • Designed for connection to Fire Alarm/Burglary Panels • Buzzer • Test Button • Alarm and Trouble Relays • 10 year Sensor	• Flush mounts over a 2-gang box • Alarm: 10% LEL hydrogen gas • Alarm and Trouble Relays • 7-10 year Sensor	• Flush mounts over a 2-gang box • Alarm: 25% LEL methane and propane • UL Listed, CSFM • Flush or Surface Mount • Alarm and Trouble Relays • 7-10 year Sensor	Portable Single-Gas Carbon Monoxide Monitor continuously monitors the ambient environment and notifies the user if the level of the target gas reaches the alarm set point for the monitor. Available in three versions CM-1, HS-1 and OX-1 to monitor either Carbon Monoxide (CO), Hydrogen Sulfide (H2S) or Oxygen (O2).	Portable Single-Gas Hydrogen Sulfide Monitor continuously monitors the ambient environment and notifies the user if the level of the target gas reaches the alarm set point for the monitor. Available in three versions CM-1, HS-1 and OX-1 to monitor either Carbon Monoxide (CO), Hydrogen Sulfide (H2S) or Oxygen (O2).	Portable Single-Gas Oxygen Monitor continuously monitors the ambient environment and notifies the user if the level of the target gas reaches the alarm set point for the monitor. Available in three versions CM-1, HS-1 and OX-1 to monitor either Carbon Monoxide (CO), Hydrogen Sulfide (H2S) or Oxygen (O2).	Explosion proof Combustible Gas catalytic bead sensor to monitor for combustible gases (methane and others). Output range is 0-100% of Lower Explosive Limit (LEL)., Class I, Div. 1, Groups B, C, D Class I, Zone 1, Group IIC, IP66, IP65, NEMA 4X II2 GD, Ex d IIC T6 = -40C to 85C	Explosion proof Toxic Gas electrochemical sensor to monitor for a variety of gases. Class 1, Div. I, Groups B, C, D Group IIB + H2 IP66, IP65, NEMA 4X Oxygen, Chlorine, Chlorine Dioxide, Sulfur Dioxide, Hydrogen Chloride, Hydrogen Fluoride, Hydrogen Sulfide, Carbon Monoxide, Ammonia, Nitrogen Dioxide, Carbon Dioxide	Explosion proof Combustible Gas (IR) Sensor to monitor for combustible gases (methane and others). Output Lower Explosive Limit (LEL) or % volume, Class 1, Div. I, Groups C, D Class I, Zone 1Group IIC, IP66, IP65, NEMA 4X, T6 TA = - 40oC to 85oC II2 GD, Ex d IICC	Provides a means to duct mount standard 4x4 type Macurco Fixed Gas Detectors: air tight enclosure, clear cover, hardware, exhaust tube and mounting template.
Applications	Homes, offices, schools, businesses, hotels and other commercial environments	Homes, offices, schools, businesses, hotels and other commercial environments	Schools, businesses, battery charging areas, maintenance facilities and renewable energy	Homes, offices, schools, businesses, hotels and other commercial environments	Parking garages, forklifts, loading docks, vehicle repair facilities, warehouses, kitchens, laundries, heaters	Refineries, pulp and paper mills, waste disposal, sewer gas, swamp gas and manure gas, crude petroleum	Wastewater treatment plants, hospitals, factories, storage facilities and other commercial applications	Areas where explosive concentrations of vapors may exist. Hazardous (classified) locations	Areas where explosive concentrations of vapors may exist. Hazardous (classified) locations	Areas where explosive concentrations of vapors may exist. Hazardous (classified) locations	For use with the Macurco Fixed Gas Detectors
Area	900 ft² (84 m²)	900 ft² (84 m²)	900 ft² (84 m²)	900 ft² (84 m²)	NA	NA	NA	900 ft² (84 m²)	900 ft² (84 m²)	900 ft² (84 m²)	NA
Weight	1 pound (0.45 kg)	1 pound (0.45 kg)	1 pound (0.45 kg)	1 pound (0.45 kg)	4.1 oz. (11 5 g)	4.1 oz. (11 5 g)	4.1 oz. (11 5 g)	3.4 lb. (1.5 Kg)	3.4 lb. (1.5 Kg)	3.4 lb. (1.5 Kg)	2 pounds (0.9kg)
Power	1.1W (max) from 9-32VDC	1.6W (max) from 9-32VDC	1.6W (max) from 12-24VAC or VDC	1.6W (max) from 12-24VAC or VDC	Permanent, non-rechargeable 3.6V Lithium battery	Permanent, non-rechargeable 3.6V Lithium battery	Permanent, non-rechargeable 3.6V Lithium battery	3 watts max. Input voltage: 24 VDC nominal: 10-30VDC	3 watts max. Input voltage: 24 VDC nominal: 10-30VDC	3 watts max. Input voltage: 24 VDC nominal: 10-30VDC	NA
Size	3 1/8 x 5 1/8 x 1 1/2 in. (7.94 x 13.02 x 3.81 cm)	3 1/8 x 5 1/8 x 1 1/2 in. (7.94 x 13.02 x 3.81 cm)	4 1/2 X 5 X 1 5/8 in. (11.4 x 12.7 x 4.1 cm)	4 1/2 X 5 X 1 5/8 in. (11.4 x 12.7 x 4.1 cm)	3.2 x 2.0 x 1.2 in. (8.1 x 5.1 x 3.1 cm)	3.2 x 2.0 x 1.2 in. (8.1 x 5.1 x 3.1 cm)	3.2 x 2.0 x 1.2 in. (8.1 x 5.1 x 3.1 cm)	6.9 x 5.7 x 3.9 in. (17.5 x 14.5 x 9.9 cm)	6.9 x 5.7 x 3.9 in. (17.5 x 14.5 x 9.9 cm)	6.9 x 5.7 x 3.9 in. (17.5 x 14.5 x 9.9 cm)	6 X 6 X 3 in. (15.2 x 15.2 x 7.6 cm)
Environment	40°F to 100° F (4.4°C to 37.8°C)	40°F to 100° F (4.4°C to 37.8°C)	40°F to 120°F (4.4°C to 49°C)	40°F to 120°F (4.4°C to 49°C)	-4 to 122°F (-20°C to 50°C), 15 – 90% RH Non-Condensing	-4 to 122°F (-20°C to 50°C), 15 – 90% RH Non-Condensing	-4 to 122°F (-20°C to 50°C), 15 – 90% RH Non-Condensing	-40° to 176°F (-40° to 80°C) RH: 0-99% Non-Condensing	-4 to 122°F (-20°C to 50°C), 15 – 90% RH Non-Condensing	-40° to 140°F (-40° to 60°C) RH: 0-99% Non-Condensing	0°F to 125°F (-18°C to 52°C) 10 to 90% RH Non-Condensing