

PRODUCT BULLETIN



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GDC-350 Gas Monitor / Transmitter

With over 100 years of gas detection expertise, Bacharach continues to develop new and innovative products such as the GDC-350 family of gas monitors / transmitters. The GDC-350 family is a cost effective solution for monitoring and detecting a variety of toxic, combustible, TVOC, oxygen and refrigerant gas leaks. This unique package can monitor for one or two different gas simultaneously. Gas concentrations are transmitted via a 4-20mA current loop back to a centralized controller where concentrations can be displayed, alarms activated or an exhaust fan turned on. An optional LED alpha-numeric display and alarm relays (standard) make the GDC-350 ideal for standalone operation.

The GDC-350 utilizes a variety of sensors including electrochemical sensors for toxic gas and oxygen detection and solid-state sensors for the detection of refrigerants, combustible gases and TVOCs.

Gases Detected:

- Carbon Monoxide (CO), 0-500 ppm
- Oxygen (O₂), 0-25% vol
- Combustible (solid state), 0-50% LEL
- Nitric Oxide (NO), 0-500 ppm
- Nitric Dioxide (NO₂), 0-500 ppm
- Sulfur Dioxide (SO₂), 0-100 ppm
- Refrigerant Gases (CFC, HFC, HCFC), 0-2000 ppm (specify at time of order)
- Volatile Organic Compounds (TVOCs), 0-2000 ppm

Product Features:

- 3-wire, 4-20mA interface
- Unique dual-sensor design (including remote sensors)
- Simple, non-obtrusive design
- Robust, tamper-proof housing (optional NEMA 4X available)
- Optional LED alphanumeric display
- Standard alarm relays (two S.P.D.T), alarm LED indicators and onboard buzzer w/ silence
- Sensor compensation algorithms extend periods between calibrations up to 3-years
- Standalone operation with universal power supply option
- Smart sensor design for easy maintenance

World Headquarters 621 Hunt Valley Circle, New Kensington PA 15068-7074 USA
PHONE: +1 724-334-5000 **FAX:** +1 724-334-5001 **WEBSITE:** www.MyBacharach.com **E-MAIL:** help@MyBacharach.com



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Target Markets:

- Parking garages
- Boiler rooms
- Arenas
- Maintenance garages
- Chiller rooms
- Mechanical rooms
- Research facilities
- Wineries
- Food processing and bottling facilities
- Medical facilities
- Cryogenic storage facilities
- Office buildings



Installation Options:

The GDC-350 family of gas detectors offers a variety of sensor configuration options when it comes to installation. The GDC-350 is available in these configurations:

- Single or dual onboard electrochemical sensors
- Remote refrigerant, combustible or TVOC sensors
- Single onboard electrochemical sensors with a remote sensor
- No onboard sensors and accept any 4-20 mA signal as an input (such as a GDC-150)

Ordering the unit with the optional pre-wired power supply turns the GDC-350 into an out-of-the-box monitoring solution. The pre-wired power supply is a universal 110 / 220 VAC plug-in power adapter that can go into any standard wall outlet. Each supply comes with plug adapters for US, UK, Europe and Australia style wall outlets, making the unit accepted world-wide. Installation is as simple as plugging the unit into a wall outlet.

The onboard alarm relays allow the unit to control any external device or communicate alarm conditions back to an alarm panel or control system. If complete standalone operation is required, the relays can be used to activate exhaust fans, turn on strobe lights or audible alarms. The onboard "SILENCE" button can be used to silence the onboard buzzer while keeping alarm relays latched until the alarm state is cleared.

The GDC-350 truly offers standalone operation and design flexibility for all applications.

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Ordering Information:

GDC-350 P/N designation: 59AB-CDEF (Prices in USD)

Standard	Standard	Sensor Configuration	List Price	Housing Option	List Price	Sensor #1 Onboard Sensor	List Price	Sensor #2 Onboard or Remote Sensor	List Price
5	9	A		B		C & D		E & F	
		0 = N/A		0 = N/A		00 = No onboard sensor		00 = no onboard sensor (remote GDC-150 input)	
		1 = Single sensor, onboard	\$460.00	1 = NEMA 1X enclosure, no display	no charge	01 = CO	\$100.00	01 = CO	\$100.00
		2 = Single sensor, remote	\$460.00	2 = NEMA 1X enclosure, with display	\$60.00	03 = O ₂	\$125.00	03 = O ₂	\$125.00
		3 = Dual sensor, integral	\$500.00	3 = NEMA 4X enclosure, no display	\$350.00	04 = NO ₂	\$250.00	04 = NO ₂	\$250.00
		4 = Dual sensor, onboard + remote	\$500.00	4 = NEMA 4X enclosure, with display	\$410.00	06 = NO	\$250.00	06 = NO	\$250.00
				5 = NEMA 4X enclosure w/splash guard, no display	\$400.00	09 = SO ₂	\$300.00	09 = SO ₂	\$300.00
				6 = NEMA 4X enclosure w/splash guard & display	\$460.00			30 = MOS combustible (must be remote)	\$100.00
				7 = NEMA 1X enclosure, no display, pre-wired supply	\$100.00			31 = MOS refrigerant (must be remote)	\$175.00
				8 = NEMA 1X enclosure, display, pre-wired supply	\$160.00			32 = MOS TVOC (must be remote)	\$150.00

Example: 5912-0100 is a CO single sensor onboard unit, in a NEMA 1X housing, with display. List Price : \$620.00

If you have any questions regarding availability or product specifications, please contact a Customer Service Representative at 1-800-736-4666 or help@MyBacharach.com.

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