

PRODUCT BULLETIN



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GDX-350 Low Temperature Transmitters

Bacharach is pleased to announce the GDX-350 low temperature transmitters for the detection of ammonia (NH_3) and carbon dioxide (CO_2). The GDX-350 transmitters are full featured transmitters designed to operate in extreme conditions such as the cold temperatures found in blast chillers and deep freezers. The unique design includes programmable heaters that are automatically activated when temperatures drop below user selectable temperatures. Placing the sensors directly inside the deep freezers allows for quick detection and response to the smallest leaks, protecting human life as well as product and machinery. The low temperature products operate over a wide temperature range and can be used in ambient conditions as well.

The GDX-350 series has a large LCD display that shows gas concentrations, engineering units, as well as the flexibility to show the last 30 minutes worth of historical data. Utilizing the graphic LCD display, users can navigate through menu's to change alarm set points, instrument configurations, or enter into maintenance mode for sensor calibration. Accompanying the LCD display are standard LED alarm indicators that show when low and high alarm conditions are met. An optional relay board is available to provide three, 5-AMP relays that can be used to drive audible/visual alarms, or activate exhaust fans.

If instrument maintenance is a concern, the B-Smart program is available for the GDX-350 transmitters. This innovative program eliminates customers' need for field calibrations. Under the B-Smart[®] program pre-calibrated sensors can be ordered from the factory or customers sign up to receive factory pre-programmed sensors every 6 or 12 months. This program eliminates the need for technicians to perform gas calibrations in the field. The B-Smart[®] program reduces maintenance costs while increasing product uptime.

Product Features:

- NDIR CO_2 detection range of 0-5%
- Electrochemical sensors for detecting 0-500 ppm of Ammonia
- Heated sensors and electronics for low temperature operation (-55 degrees Celsius, -67 degrees F)
- Graphic LCD for real time monitoring of concentrations
- Relay outputs (optional)
- 4-20 mA output
- Modbus RTU interface (optional)
- 30 minute onboard data trending
- B-Smart[®] sensor program



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Target Markets:

- Ammonia chiller rooms
- Arenas
- Super markets
- Food distribution centers
- Fruit and vegetable ripening and storage facilities
- Food processing
- Bottling facilities
- Breweries and wineries
- Industrial processes



Ordering Information:

Bacharach P/N	GDX-350 Products and Accessories	List Price (USD)
5600-3224	GDX-350 CO ₂ transmitter with relays and Modbus RTU interface	\$2095.00
5600-3054	GDX-350 NH ₃ transmitter with relays and Modbus RTU interface	\$1995.00
5600-3053	GDX-350 NH ₃ transmitter without relays and Modbus RTU interface	\$1695.00
5600-3223	GDX-350 CO ₂ transmitter without relays and Modbus RTU interface	\$1795.00
5600-0004	Calibration cup / sample draw adaptor	\$45.00
5600-0003	Splash guard/remote cal-cup	\$55.00
	Calibration Gas	
0024-7059	Calibration kit – regulator, tubing, and carrying case (no gas included)	\$305.00
0051-3160	NH ₃ calibration gas, 25 ppm, 58 Liter	\$580.00
0054-0605	CO ₂ calibration gas, 2.0%Vol, 103 Liter	\$200.00
0051-7131	Zero grade air, 103 Liter	\$185.00
	Replacement Sensor	
5600-5002	CO ₂ Replacement sensor	\$650.00
5600-5003	NH ₃ Replacement Sensor	\$750.00
	B-Smart Sensor Program	
5600-6000	B-Smart [®] pre calibrated CO ₂ Sensor	Consult factory
5600-6001	B-Smart [®] pre calibrated NH ₃ Sensor	Consult factory
5600-8000	B-Smart [®] 2-year program for CO ₂ Sensors (sensors replaced every 12 months)	Consult factory
5600-8001	B-Smart [®] , 2-year program for NH ₃ Sensors (sensors replaced every 6 months)	Consult factory

Example: GDX-350 for NH₃, with Modbus RTU and a sensor splash guard. The part numbers that will need to be ordered are: 5600-3054 and 5600-0003.

For more information on the GDX-350 or how the B-Smart[®] program can save you time and money please contact a Customer Service Representative at 1-800-736-4666 or help@MyBacharach.com.

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