



Gas Sensor Transmitter GDX-150



Bacharach's new GDX-150 Ammonia (NH₃) Transmitter is the most economical solution for monitoring and detecting increased levels of ammonia. Gas concentrations are quickly transmitted via 4-20 mA current loop back to a centralized controller where concentrations can be displayed, alarms activated or exhaust fans turned on. The GDX-150 is a 2-wire sensor transmitter that accepts low power sensor modules that are easily replaced in the field.

Compact and Powerful Ammonia Detection

The Bacharach GDX-150 is a rugged stainless steel sensor transmitter utilizing an electrochemical sensor that is sensitive down to 1 part per million (ppm) and can measure concentrations up to 500 ppm. These low detection limits allow actions to be taken at the detection of the smallest leaks. Unlike other sensing technologies, the GDX-150 electrochemical sensor is extremely gas sensitive and specific to ammonia. The compact size of the GDX-150 is ideal for small spaces such as vent stacks and is easily mounted directly onto any 3/4 inch NPT conduit or junction box.



GDX-150 Features & Benefits:

- Simple 2-wire, 4-20 mA interface transmits signals thousands of feet
- Improved noise immunity with stainless steel sensor head
- Simple, non-obtrusive design
- Robust, tamper-proof housing

GDX-150 Specifications

Detection Principle:	Electrochemical, Field Replaceable
Coverage:	Single Sensor = 40 Foot Diameter
Measuring Range:	0-500 ppm
Sensitivity:	1 ppm
Dimensions:	1.9" x 3.2" (4.83 cm x 8.13 cm)
Housing:	Type 316 Stainless, Suitable for Class 1, Div 1&2, Gr. B,C,D ¾ Inch NPT Threading
Calibration:	Through GDA-400 or GDA-1600 Controllers
Response Time:	T50 < 30 s , T90 < 90s
4-20 Output Signal:	2-Wire, 4-20 mA Current Sink. Max Output = 25 mA
Long Term Drift:	< 10% per 6 Months
Linearity:	< 10% of Full Scale
Temperature Drift:	< 0.1% per Degree C over Temperature Range
Operating Temperature Range:	-4 to 122°F (-20 to 50°C)
Ambient Humidity Range:	5% to 90% RH (Non-Condensing)
Power:	9 - 36 VDC, 250 mA (@ 24 VDC)
Approvals:	Intrinsically Safe with use of an IS Barrier

GDX-150 Ordering Information

5600-1051 GDX-150 Ammonia Transmitter

GDX-150 Accessories

5600-0004	GDX Calibration Cup/Sample Draw Adaptor
5600-0003	GDX Splash Guard/Remote Cal-Cup
0024-7059	Calibration Kit – Regulator, Tubing and Carrying Case (no gas included)
0051-3160	NH ₃ Calibration Gas, 25 ppm, 58 Liter
0051-7131	Zero Grade Air, 103 Liter
5600-5003	NH ₃ Replacement Sensor

**GDX-150 must be used in conjunction with Bacharach's GDA-400 or GDA-1600 controllers for calibration and maintenance.*

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