

EC 23

Robust, Economical Transmitter



- Simple to use and extremely economical
- Robust aluminum housing is corrosion resistant and dust-tight
- Many sensors available, including 3 detection ranges for ammonia (NH₃)
- Linear 4 to 20 mA output signal
- 18–24 VDC

EC 23: Reliable and Simple

GfG's EC 23 transmitter for detecting toxic gases in ambient air is an inexpensive gas detection solution for use in a wide variety of today's industrial applications.

Robust housing

The robust aluminum casing protects the transmitter's electronic components from the harshest environments. The corrosion resistant casing protects the electrical components from atmospheric hazards and is dust-tight.

Simple gas detection

The EC 23 is the simplest way to monitor ambient conditions. Simply attach the EC 23 to a GfG controller or a PLC to continuously and efficiently monitor the concentration of hazardous toxic contaminants in air.

The EC 23 is also reverse-wire protected to prevent damage due to incorrect wiring of the device. The power connector has a "quick disconnect" feature to simplify transmitter installation and service.



Gases*	Detection range	Resolution
Ammonia (NH ₃) standard temperatures only (-4 to +105°F)	0 to 100 ppm	1 ppm
Ammonia (NH ₃) standard temperatures only (-4 to +105°F)	0 to 200 ppm	1 ppm
Ammonia (NH ₃) standard temperatures only (-4 to +105°F)	0 to 250 ppm	1 ppm
Carbon monoxide (CO)	0 to 500 ppm	1 ppm
Hydrogen sulfide (H ₂ S)	0 to 100 ppm	1 ppm
Sulfur dioxide (SO ₂)	0 to 50 ppm	0.1 ppm

*Other sensors and ranges available on request

Technical Data

EC 23 series

Gases (see table for available detection ranges and resolution)

Ammonia (NH₃)
Carbon monoxide (CO)
Hydrogen sulfide (H₂S)
Sulfur dioxide (SO₂)

Detection principle
Electrochemical (EC)

Detection method
Diffusion

Response time
Based on sensor

Power supply
18-24 VDC loop power

Output signal
Linear, 4–20 mA

Signal connection
2 shielded wire x 18 AWG <1,000 ft

Humidity range
15-99% r.H. non-condensing

Optional accessories
Calibration adapter

Specifications subject to change without notification

Distributed by:



GfG Instrumentation

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