

EC 21

Robust, Economical Transmitter



EC 21 Fixed Transmitter

- Simple to use and extremely economical
- Robust housing is corrosion resistant and dust-tight
- Linear 4 to 20 mA output signal
- 10 - 30 VDC

GfG Instrumentation

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EC 21 Transmitter

GfG's EC 21 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.

Simple gas detection

The EC 21 is the simplest way to monitor ambient conditions. Simply attach the EC 21 to a GfG controller or a PLC to continuously and efficiently monitor the concentration of hazardous toxic contaminants in the air.

The EC 21 is 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.

Mounting Position of the EC 21

To determine the mounting position of the EC 21 it is important to know and consider the ambient conditions. To achieve the best results, the ventilation conditions and the density of the gases need to be considered.

The EC 21 must be installed so that the gas reaches the sensor even in poorly ventilated areas. If necessary, check the area with a smoke cartridge.

Other influences such as water (rain, dripping or condensation) and dust need to be considered as well.

Gas	Detection Range
Ammonia (NH ₃) standard temperatures (-4 to +105°F)	0 to 100 ppm
Ammonia (NH ₃) standard temperatures (-4 to +105°F)	0 to 200 ppm
Ammonia (NH ₃) standard temperatures (-4 to +105°F)	0 to 250 ppm
Ammonia (NH ₃) standard temperatures (-4 to +105°F)	0 to 500 ppm
Ammonia (NH ₃) standard temperatures (-4 to +105°F)	0 to 1,000 ppm
Ammonia (NH ₃) freezer temperatures (-40 to +60°F)	0 to 100 ppm
Ammonia (NH ₃) freezer temperatures (-40 to +60°F)	0 to 200 ppm
Ammonia (NH ₃) freezer temperatures (-40 to +60°F)	0 to 250 ppm
Ammonia (NH ₃) freezer temperatures (-40 to +60°F)	0 to 500 ppm
Ammonia (NH ₃) freezer temperatures (-40 to +60°F)	0 to 1,000 ppm
Carbon monoxide (CO)	0 to 500 ppm
Carbon monoxide (CO)	0 to 2,000 ppm

Upon request, other electrochemical gases are supported.

Specifications

Detection principle

Electrochemical (EC)

Power supply

10 - 30 V DC loop power

Humidity range

15-99% r.H. non-condensing

Detection method

Diffusion

Output signal

Linear, 4–20 mA

Optional accessories

Calibration Adapter
Calibration Kit

Response time

Based on sensor

Signal connection

2 shielded wire x 18 AWG <1,000 ft

Specifications subject to change without notification

Distributed by:

Electronic Measurement Labs, Inc.
Sales • Service • Support
24/7/365 Tech Support
800-452-6822

**"Best in Gas
Detection"**



GfG Instrumentation

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