

EC 30 Series

Remote Transmitters

OX



AutoCal® Calibration

Smart Sensor Technology

Digital Display/Control Connection

Explosion Proof Housing

Worldwide Supplier of Gas Detection Solutions



GfG Instrumentation

Remote Transmitters for Oxygen and Toxic Gases

The EC 30 is an advanced transmitter for the detection of toxic gases and oxygen levels. This Smart Area Monitor has an aluminum explosion proof housing with a stainless steel sensor cover that makes the EC 30 series suitable for the harshest environments.

Simple and Effective

Once you power up the units, they will accurately display values on the large LCD and transmit a linear 4-20mA signal to any GfG controller. AutoCal calibration and maintenance is done effortlessly through push buttons or via a remote digital control connection. Smart sensors allow the user to easily change ranges or

gas types in the field without the need for additional programming. The EC 36 is equipped with onboard relays for two alarm points and one sensor fault for local connection and activation or deactivation of external devices like alarms, fans, auto dialers, etc.

Digital Display/Control Connection

The digital connection allows display of readings, non-intrusive maintenance and AutoCal calibration activation to be done locally or from a distance.



EC 30 Remote Transmitters

Technical Data

Gases & Ranges*

Ammonia (NH ₃)	0 to 200ppm 0 to 1000ppm
Carbon Monoxide (CO)	0 to 500ppm 0 to 2000ppm
Chlorine (Cl ₂)	0 to 50ppm 0 to 250ppm
Chlorine Dioxide (ClO ₂)	0 to 1.0ppm
Hydrogen (H ₂)	0 to 2000ppm 0 to 4% vol.
Hydrogen Chloride (HCL)	0 to 200ppm
Hydrogen Cyanide (HCN)	0 to 200ppm
Hydrogen Sulfide (H ₂ S)	0 to 200ppm 0 to 1000ppm
Nitrogen Dioxide (NO ₂)	0 to 50ppm 0 to 200ppm
Oxygen (O ₂)	0 to 30% vol.
Sulfur Dioxide (SO ₂)	0 to 50ppm 0 to 500ppm

*Additional gasses & ranges available (consult manufacturer)

Detection Principal

Electrochemical

Detection Method

Diffusion

Response Time

T90 <5 sec. (depending on gas)

Expected Sensor Life

2 years (depending on gas)

Display

4 digit LCD (EC36 backlit)
Power, Alarm and Fault LED's (EC36)

Weight

3.5 lbs (1587 g)

Dimensions

4.5 x 4.9 x 3.7 in. WxHxD (115 x 125 x 95 mm)

Power Supply

24V DC / 200mA

Output Signal

Linear 4 to 20mA

Signal Connection

3 shielded wire x 18 AWG <1000 ft.
up to 100 ft. remote interface

Relays (EC36)

2 alarm points, 1 fault – voltage free
Voltage: 250V AC 50/60 Hz or 250V DC max.
Current: 4A AC/DC max.

Temperature Range

+5 to +115 °F (-15 to +46 °C)

Humidity Range

15 to 96% rh

Pressure Range

920 to 1080 hPa

Housing

Aluminum Explosion proof
Stainless steel sensor housing

Housing Approvals

Class 1, Groups, B, C, D
UL
FM
EEx d IIC
Type 4X (IP 64)

Available Models

EC35 - LCD
EC36 - Backlit LCD, Relays and LED's

Options

Remote Display/Control

*Specifications subject to change
without notification*

Distributed by:



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