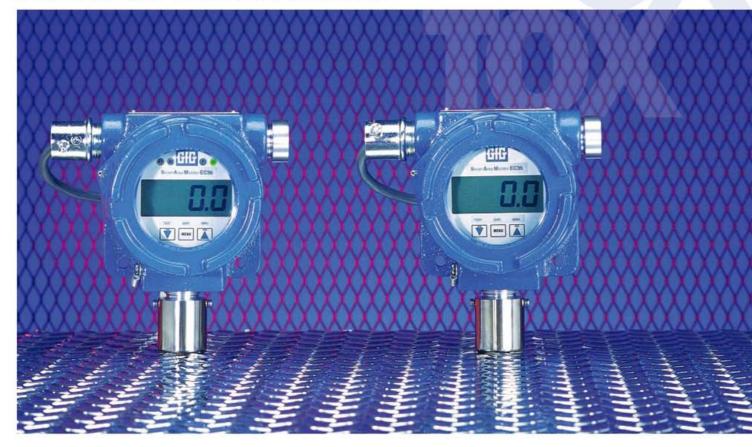# EC 30 Series
Remote Transmitters

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.

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.

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

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.

Technical Data

EC 30 Remote Transmitters

Gases & Ranges*

Ammonia (NH3)	0 to 200ppm
	0 to 1000ppm
Carbon Monoxide (CO)	0 to 500ppm
	0 to 2000ppm
Chlorine (Cl2)	0 to 50ppm
	0 to 250ppm
Chlorine Dioxide (ClO2)	0 to 1.0ppm
Hydrogen (H2)	0 to 2000ppm
	0 to 4% vol.
Hydrogen Chloride (HCL)	0 to 200ppm
Hydrogen Cyanide (HCN)	0 to 200ppm
Hydrogen Sulfide (H2S)	0 to 200ppm
	0 to 1000ppm
Nitrogen Dioxide (NO2)	0 to 50ppm
	0 to 200ppm
Oxygen (O2)	0 to 30% vol.
Sulfur Dioxide (SO2)	0 to 50ppm
	0 to 500ppm

*Additional gasses & ranges available (consult manufacture)

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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