

# Dynagard AutoCal®

## Single-point Gas Monitor



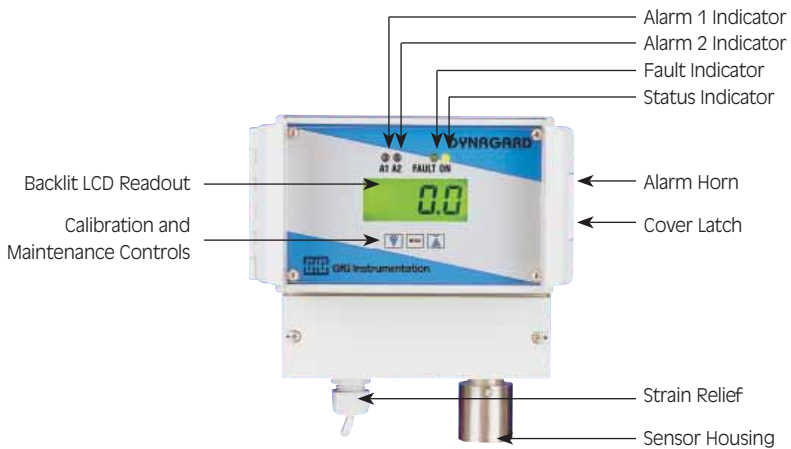
- AutoCal® automatic calibration
- Smart sensor technology
- Digital display / control connection
- Internal push-button alarm settings

# Single-point Area Monitors

Dynagard AutoCal® monitors are single point detection instruments that accurately measure toxic gases and oxygen levels. Alarm lights on the front panel illuminate and an internal horn sounds when gas concentrations are exceeded.

## Simple and effective

The units accurately display values on a large backlit LED and can transmit a linear 4-20 mA output. AutoCal® calibration and maintenance is done effortlessly through front panel push-buttons. Smart sensors enable the user to change measuring ranges or gas types in the field without a need for additional programming. The Dynagard is equipped with onboard relays for two adjustable alarm points. It also has one sensor fault for local connection and activation or deactivation of external devices like strobes, fans, auto dialers etc.



# Technical Data

## Dynagard AutoCal® gas monitors

### Gases\*

Ammonia (NH<sub>3</sub>)  
Carbon Monoxide (CO)  
Chlorine (Cl<sub>2</sub>)  
Chlorine Dioxide (ClO<sub>2</sub>)  
Ethylene Oxide (C<sub>2</sub>H<sub>4</sub>O)  
Hydrogen (H<sub>2</sub>)  
Hydrogen Chloride (HCl)  
Hydrogen Cyanide (HCN)  
Hydrogen Sulfide (H<sub>2</sub>S)  
Nitrogen Dioxide (NO<sub>2</sub>)  
Oxygen (O<sub>2</sub>)  
Sulfur Dioxide (SO<sub>2</sub>)

### Detection ranges\*

C <sub>2</sub> H <sub>4</sub> O	0-20 ppm
Cl <sub>2</sub>	0-50 or 250 ppm
ClO <sub>2</sub>	0-1.0 ppm
CO	0-500 or 2,000 ppm
H <sub>2</sub>	0-2,000 ppm or 0-4% volume
H <sub>2</sub> S	0-200 or 1,000 ppm
HCl	0-30 ppm
HCN	0-200 ppm
NH <sub>3</sub>	0-200 or 1,000 ppm
NO <sub>2</sub>	0-50 or 200 ppm
O <sub>2</sub>	0-25% volume
SO <sub>2</sub>	0-50 or 500 ppm

\*Additional gases and ranges available (consult manufacturer)

### Detection principal

Electrochemical

### Detection method

Diffusion

### Response time

T<sub>90</sub> < 5 sec. (depending on gas)

### Expected sensor life

2 years (depending on gas)

### Display

4 digit LCD  
Power, alarm and fault LED's

### Power supply

115 VAC / 24 VDC

### Output signal

Linear 4-20 mA

### Relays

2 alarm points, 1 fault – voltage free  
Voltage: 250 VAC 50/60 Hz or 250 VDC maximum  
Current: 4 A AC/DC maximum

### Horn

95 dB at one foot

### Temperature range

+5 to +115°F / -15 to +46°C

### Humidity range

15 to 96% rh

### Pressure range

920 to 1,080 hPa

### Housing

UL 94 HB polystyrene enclosure with clear poly carbonate lid

### Weight

2 pounds (907 g)

### Dimensions

7.9x7.5x4.8 inches (200x190x120 cm) (HxWxD)

### Housing approvals

IP 65

### Accessories

Remote display / control

*Specifications subject to change without notification*

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