

# G750 Polytektor

## Multi-Gas Monitor

# EXOX



Multi-Gas Monitor (1 – 6 Detection Ranges including IR CO<sub>2</sub>)

AutoCal® Automatic Calibration

Powerful Data-Logging

Smart Sensor Technology

User Selectable Pump and/or Diffusion Sampling

Lifetime Warranty

Worldwide Supplier of Gas Detection Solutions



# The Complete Portable Gas Monitor

The G750 is a versatile multi-gas monitor that offers up to 6 gas detection ranges. Available sensor combinations may include the detection of O<sub>2</sub>, CO, H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>, CL<sub>2</sub>, HCN, NO, combustibles (% Volume, %LEL) and CO<sub>2</sub>. User selectable choice of diffusion or internal pump sampling methods make this unit unequaled in the market.

## Configured for Your Application

The sensors in the G750 may be configured to best match your industry's needs. The S3 (Smart Sensor System) allows flexibility for user to interchange sensors in the field. To alert the user to increasing hazards, the unit has up to three user adjustable alarm points.

## Powerful Data-Logging

The G750 data-logging option provides storage capacity of more than 30 days of continuous operation. Downloading is easily done through the PC serial port that includes user name, location and a detailed report of exposure levels and alarms. The user name and location can be edited with ease for your needs.

## Maintenance and Security

Maintenance will never be missed with a user determined Inspection Overdue alarm. Fresh air auto zeroing and AutoCal calibration make routine maintenance effortless with no potentiometers to adjust. To prevent unauthorized changes to alarm values, a code must be used to enter advanced maintenance menus for adjustment.



## G750 Polytector

# Technical Data

### Gases

EX	Combustible gases LEL
	Combustible gases % volume
OX	Oxygen (O <sub>2</sub> ) % volume
TOX	Carbon Monoxide (CO)
	Hydrogen Sulfide (H <sub>2</sub> S)
	Sulfur Dioxide (SO <sub>2</sub> )
IR	Carbon Dioxide (CO <sub>2</sub> )

### Ranges

EX	CH <sub>4</sub>	0 to 100% LEL
	CH <sub>4</sub>	0 to 100% volume
OX	O <sub>2</sub>	0 to 25% volume
TOX	Cl <sub>2</sub>	0 to 10 ppm
	CO	0 to 1000 ppm
	CO	0 to 500 ppm
	HCN	0 to 100 ppm
	H <sub>2</sub> S	0 to 100 ppm
	H <sub>2</sub> S	0 to 50 ppm
	NO	0 to 100 ppm
	NO <sub>2</sub>	0 to 50 ppm
	SO <sub>2</sub>	0 to 20 ppm
IR	CO <sub>2</sub>	0 to 70% volume
	CO <sub>2</sub>	0 to 25% volume
	CO <sub>2</sub>	0 to 5% volume
	CO <sub>2</sub>	0 to 10,000 ppm

### Detection Principles (sensors)

EX	Catalytic combustion
	Thermal conductivity
OX	Electrochemical
TOX	Electrochemical
IR	Infra-red dual beam

### Detection Method

Built-in sampling pump and diffusion

### Expected Sensor Life

EX	>3 years
OX	2 years
TOX	>3 years

### Weight

26 oz (750 g)

### Dimensions

3.5 x 8 x 2.5 inches (WxHxD)  
90 x 199 x 60 mm (WxHxD)

### Display

Graphic alpha-numeric display

### Alarms

Visual – large red LED  
Audible – buzzer, 80 dB

### Operational Time

7 to 14 hours (depending on sensors, alarms and sampling time)

### Power Source

Rechargeable NiMH battery pack

### Temperature Range

+14 to +122° F (-10 to +50° C)

### Humidity Range

0 (20) to 98% r.h. (non-condensing)

### Pressure Range

800 to 1300 mbar

### Casing

Carbon fiber reinforced polyamide

### Approvals

CENELEC EEX ibd IIC T5  
UL Class I, Div. 1 A, B, C, D

### Options

Data-logger

*Specifications subject to change without notification*

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Tel: (800) 959-0329  
Fax: (734) 769-1888  
E-mail: info@gfg-inc.com  
Website: www.gfg-inc.com