

# Portable Gas Monitors

## ToxiRAE PLUS Personal Gas Monitors

The ToxiRAE PLUS Personal Gas Monitors allow you to identify single toxic and combustible gases, and oxygen with an array of interchangeable gas sensors.

### FEATURES

- **Plug-in interchangeable gas sensors**
- **Pre-set & programmable alarm thresholds**  
Activates both buzzer and flashing LED when alarm threshold levels are exceeded
- **Rugged, lightweight, compact construction**  
Size: 6"L x 1.75"W x 1"H
- **Large, bright back light display**  
Alarm, dim light, or manually activated
- **Audible and visual alarm with flashing LED**  
Varying tones for different alarm conditions
- **Field replaceable battery**
- **Simple calibration/ Continuous Monitoring**
- **Ideal for confined space entry applications.**



Sensor	Range (ppm)	Resolution (ppm)	Response Time (t <sub>90</sub> )
Carbon Monoxide (CO)	0-500	1	20 secs
Hydrogen Sulfide (H <sub>2</sub> S)	0-100	1	30 secs
Sulfur Dioxide (SO <sub>2</sub> )	0-20	0.1	15 secs
Nitric Oxide (NO)	0-250	1	20 secs
Nitrogen Dioxide (NO <sub>2</sub> )	0-20	0.1	25 secs
Chlorine (Cl <sub>2</sub> )	0-10	0.1	60 secs
Chlorine Dioxide (ClO <sub>2</sub> )	0-1	0.01	120 secs
Hydrogen Cyanide (HCN)	0-100	1	60 secs
Ammonia (NH <sub>3</sub> )	0-50	1	150 secs
Phosphine (PH <sub>3</sub> )	0-5	0.01	60 secs
O <sub>2</sub>	0~30%	0.1%	15 seconds
LEL	0~100% LEL	1%	15 seconds

#### ToxiRAE PLUS Combustible Gas Monitor PGM-37:

Includes ToxiRAE PLUS Unit with combustible sensor, rechargeable 4.8V, 900 mAh battery pack, single unit charging station, battery charger, alkaline battery adapter, calibration adapter with tubing, and operation & maintenance manual.

#### ToxiRAE PLUS Oxygen Gas Monitor PGM-36:

Includes ToxiRAE PLUS Unit with interchangeable O<sub>2</sub> sensor, 2 AAA batteries, calibration adapter with tubing, and operation & maintenance manual.

#### ToxiRAE PLUS Toxic Gas Monitor PGM-35:

Includes ToxiRAE PLUS Unit with one of the following interchangeable sensors, CO, H<sub>2</sub>S, SO<sub>2</sub>, NO, NO<sub>2</sub>, and Cl<sub>2</sub>, non-interchangeable HCN, NH<sub>3</sub> and PH<sub>3</sub> sensor, 2 AAA batteries, calibration adapter with tubing, and operation & maintenance manual.

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## ToxiRAE PLUS Personal Gas Monitor Specifications

<b>Dimensions</b> .....	6.0"L x 1.75"W x 1.0"H .....Belt/pocket clip
<b>Em Interference</b> .....	No effect when exposed to 1.7 mW/cm <sup>2</sup> RF interference (5 watt transmitter at 12 inches)
<b>Keypads</b> .....	1 Operation key and 2 programming keys: [MODE] - Turn on/off power and choose different display mode, [N/-] - Toggle on/off back light, [Y/+ ] - Toggle on /off alarm buzzer & LED
<b>Datalogging</b> .....	VOC monitor, 4000 points download to PC with serial number of unit, user and site number, calibration and check calibration time, date and value (PGM-30D only)

### Individual Specifications

	ToxiRAE PLUS Combustible Gas Monitor: PGM-37*	ToxiRAE PLUS Gas Monitor: PGM-35	ToxiRAE PLUS Oxygen Monitor: PGM-36
<b>Detector</b>	6.9 oz. with batteries Catalytic bead sensor with smart sensor identification	4.2 oz. with batteries Electrochemical sensor with smart sensor identification	4.2 oz. with batteries Electrochemical sensor with smart sensor identification
<b>Battery</b>	Rechargeable 4.8v/900mAh Ni-Cad battery pack or 4 AAA alkaline battery adapter 10 hours continuous	2 AAA alkaline batteries 1000 hours continuous	2 AAA alkaline batteries 1000 hours continuous
<b>Humidity</b>	Two point field calibration for zero and span gas -4° to 113°F (-20° to 45°C) 0 to 99% relative humidity (non condensing)	Two point field calibration for zero and span gas -4° to 113°F (-20° to 45°C) 0 to 99% relative humidity (non condensing)	Two point field calibration for zero and span gas -4° to 113°F (-20° to 45°C) 0 to 99% relative humidity (non condensing)
<b>Display</b>	6 minute intervals 7 digit LCD with LED backlight	6 minute intervals 7 digit LCD with LED backlight	6 minute intervals 7 digit LCD with LED backlight
<b>Datalogging Interval</b>	not applicable	not applicable	not applicable

\*ON LEL Model only:LELsensor is disabled to prevent damage to the LELsensor it is automatically turned off when the gas concentration exceeds 100% LEL. To clear this condition press the [Y/+ ] key after the high levels of gas have been removed from the instrument.

• Interchangeable Gas Sensors:

- |                  |                   |
|------------------|-------------------|
| Carbon Monoxide  | Hydrogen Cyanide  |
| Hydrogen Sulfide | Ammonia           |
| Sulfur Dioxide   | Phosphine         |
| Nitric Oxide     | Oxygen            |
| Nitrogen Dioxide | Combustible Gases |
| Chlorine         |                   |
| Chlorine Dioxide |                   |

• Calibration Kit with gas cylinder, flow regulator, and tubing

- Rechargeable Ni-Cad battery pack
- Vibration alarm
- Remote sampling hand pump
- Leather carrying case