

MultiRAE Plus Model PGM-50

The MultiRAE Plus combines a PID (Photo-ionization Detector) with the standard four gases of a confined space monitor (O₂, LEL, and two interchangeable toxic gas sensors) in one compact monitor with sampling pump. Like the Leatherman™ tool, the MultiRAE Plus gets the job done in more circumstances than any other gas detector. Its versatility makes it the gas meter of choice for some of the highest profile HazMat/WMD teams in the United States. The MultiRAE Plus is quickly and easily changed from a sophisticated technician instrument to a simple text-only monitor. The same monitor can be used as a personal monitor, a hand-held sniffer or as a continuous-operation area monitor.

1- to 4 Sensor plus PID Personal Protection Gas Monitor

Monitor only includes:

- Wireless communication enabled and certified
- Datalogging:
 - Software, ProRAE Suite Package for Windows™ 95, 98, 2000, NT, ME & XP
 - Computer Interface cable
- Shipping case
- Monitor with PID and additional sensors as specified
- Calibration adapter
- Training CDROM
- Operation and maintenance manual
- Rubber boot with belt clip
- Alkaline battery adapter
- Rechargeable battery (as specified):
 - Standard rechargeable Lithium-ion or
 - Optional, extended duration Lithium-ion
- Universal AC/DC wall adapter with international plug kit
- ATEX approval and external charger adapter (as specified)
- 3 external filters
- 3" inlet probe

Optional Guaranteed Cost of Ownership

- Available in North America only
- 4-year repair and replacement guarantee
- Annual maintenance service

Monitor with Accessories Kit adds:

- Hard transport case with pre-cut foam
- Sampling wand with 15' (5 m) of self-coiling Teflon™ tubing
- Tool kit

Optional Calibration Kit adds:

- Four-gas mix in a 34L cylinder, part number 600-0050-001 (50% LEL, 20.9% oxygen, 25 ppm hydrogen sulfide, 50 ppm carbon monoxide)
- Calibration Regulator(s) and tubing
- 100 ppm Isobutylene gas in a 34L cylinder, part number 600-0002-000

Multi Gas accessories are listed on pgs. 33-36.

Additional calibration systems, gas kits, individual gases and regulators are listed on pgs. 45-50.



MultiRAE Plus Monitors

These are the most commonly purchased MultiRAE Plus monitors, with a universal charger and an international plug kit. For other configurations, use the standard configurator on the next page.

Standard Sensor Configurations

	Pumped	Li-ion Battery, Universal Charger	Accessories Kit	Calibration Kit	PART NUMBER	LIST PRICE
LEL / O₂ / 10.6 eV PID						
Unit only	•	•			009-3001-010	\$3,416.00
Unit with Accessories Kit (no gas or regulator)	•	•	•		009-3001-013	\$3,665.00
Unit with Accessories and Calibration Kit	•	•	•	•	009-3001-01a	\$4,040.00
LEL / O₂ / H₂S / 10.6 eV PID						
Unit only	•	•			009-3011-010	\$3,632.00
Unit with Accessories Kit (no gas or regulator)	•	•	•		009-3011-013	\$3,881.00
Unit with Accessories and Calibration Kit*	•	•	•	•	009-3011-018	\$4,404.00
LEL / O₂ / CO / 10.6 eV PID						
Unit only	•	•			009-3021-010	\$3,632.00
Unit with Accessories Kit (no gas or regulator)	•	•	•		009-3021-013	\$3,881.00
Unit with Accessories and Calibration Kit*	•	•	•	•	009-3021-016	\$4,521.00
LEL / O₂ / H₂S / CO / 10.6 eV PID						
Unit only	•	•			009-3121-010	\$3,848.00
Unit with Accessories Kit (no gas or regulator)	•	•	•		009-3121-013	\$4,097.00
Unit with Accessories and Calibration Kit	•	•	•	•	009-3121-014	\$4,620.00

* For configurations with SO₂, NO, NO₂, Cl₂, HCN, and PH₃ sensors, RAE Systems will build the calibration kit and supply the cost if the part number ends with the letter "C".
Example: For 009-3791-01C, RAE will determine and provide the calibration kit cost.

Service Program Option

Guaranteed Cost of Ownership	SVC-PTC4-095	\$1,386.00	Extends warranty and covers replacement of all parts and sensors for 4 years from date of purchase.
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MultiRAE Plus Monitors (PGM-50)

Basic Unit

\$ **\$1,103.00**

A Combustible & Oxygen Sensors			
0	Empty Dummy sensor	+ \$	0.00
1	LEL Combustible	+ \$	194.00
2	O ₂ Oxygen	+ \$	133.00
3	LEL/O ₂ Combustible and Oxygen	+ \$	326.00
B Interchangeable TOX 1 Sensor*			
0	Empty Dummy sensor	+ \$	0.00
1	H ₂ S Hydrogen Sulfide sensor	+ \$	216.00
2	CO Carbon Monoxide sensor	+ \$	216.00
3	SO ₂ Sulfur Dioxide sensor	+ \$	216.00
4	NO Nitric Oxide sensor	+ \$	216.00
5	NO ₂ Nitrogen Dioxide sensor	+ \$	216.00
6	Cl ₂ Chlorine sensor	+ \$	216.00
7	HCN Hydrogen Cyanide sensor	+ \$	436.00
8	NH ₃ Ammonia sensor	+ \$	436.00
9	PH ₃ Phosphine sensor	+ \$	436.00
C Interchangeable TOX 2 Sensor*			
0	Empty Dummy sensor	+ \$	0.00
1	H ₂ S Hydrogen Sulfide sensor	+ \$	216.00
2	CO Carbon Monoxide sensor	+ \$	216.00
3	SO ₂ Sulfur Dioxide sensor	+ \$	216.00
5	NO ₂ Nitrogen Dioxide sensor	+ \$	216.00
6	Cl ₂ Chlorine sensor	+ \$	216.00
7	HCN Hydrogen Cyanide sensor	+ \$	436.00
9	PH ₃ Phosphine sensor	+ \$	436.00
D Photoionization Detector (requires a pump)			
1	10.6 eV lamp	+ \$	1,600.00
2	11.7 eV lamp * Check with Applications Specialist before ordering	+ \$	1,710.00
E Pumps, Batteries, Chargers			
0	Pump, standard Li-ion battery, universal wall charger	+ \$	387.00
2	Pump, alkaline batteries	+ \$	277.00
8	Pump, extended duration Li-ion, universal charger	+ \$	552.00
a	Obsolete		
b	Pump, extended duration Li-ion battery, no charger	+ \$	519.00
c	Pump, standard Li-ion battery, no charger	+ \$	353.00
d	Obsolete		
e	Pump, alkaline batteries, ATEX approval, ATEX box	+ \$	552.00
f	Pump, standard Li-ion battery, universal wall charger, ATEX barrier box	+ \$	607.00
g	Pump, standard Li-ion battery, no charger, ATEX barrier box	+ \$	629.00
G Kits			
0	Monitor only	+ \$	0.00
1	Accessories and 4-gas (LEL / O ₂ / CO / H ₂ S) Calibration Kit	+ \$	497.00
2	Accessories and Isobutylene Calibration Kit	+ \$	497.00
3	Accessories Kit (no gas or regulator)	+ \$	249.00
4	Access. and 4-gas (LEL / O ₂ / CO / H ₂ S) + Isobutylene Cal Kit	+ \$	772.00
5	Access. and 3-gas (LEL / O ₂ / CO) Calibration Kit	+ \$	365.00
6	Access. and 3-gas (LEL / O ₂ / CO) plus Isobutylene Cal Kit	+ \$	640.00
7	Access. and 3-gas (LEL / O ₂ / H ₂ S) Calibration Kit	+ \$	497.00
8	Access. and 3-gas (LEL / O ₂ / H ₂ S) plus Isobutylene Cal Kit	+ \$	772.00
9	Access. and 2-gas (LEL / O ₂) Calibration Kit	+ \$	304.00
a	Access. and 2-gas (LEL / O ₂) plus Isobutylene Calibration Kit	+ \$	375.00

When ordering toxic sensors 3 through 9, please select the lower number first.

Note: Cannot use both NO and NH₃ sensors in a single monitor.

MultiRAE Plus is only available with PID.

009 - A B C D - E 1 G

Total

MultiRAE Plus Configurator Guide

Select one option from each Feature Group, **A** through **G**, to build a complete model number following this guide:

