

MultiRAE Monitors (Model PGM-6228)

MultiRAE advanced chemical detectors for up to 5 gases + VOC

Monitor-Only Configuration Includes:

- MultiRAE monitor with sensors, pump, battery and wireless options as specified, and protective rubber boot, swivel belt clip and filter installed
- Continuous datalogging (6 months for 5 sensors @ 1-minute intervals)
- Travel charger / PC communications adapter
- PC communication cable
- AC adapter
- Calibration adapter
- Alkaline battery adapter
- Toolkit with Hex tool and Phillips screwdriver
- PID sensor cap removal tool
- 3 spare external filters
- 6" flexi probe with inlet adapter
- Quick Start Guide
- CD with documentation
- ProRAE Studio II Instrument Configuration and Data Management Software
- Calibration and test certificate
- Warranty / registration card

Instrument ships in a hard transport case with custom foam that can also accommodate accessories and 2 calibration gas cylinders with 2 regulators (sold separately)



Optional Accessories / Confined Space and Calibration Kit Adds:

- Remote Sample Draw Kit (P/N: 008-3015-200)
 - 10" (26 cm) aluminum sample probe with replaceable filters,
 - 3 hydrophobic barrier filters,
 - 10' (3 m) self-coiling Teflon® tubing w/ Luer-style quick-connect fitting
- 4-gas mix (34L; 50% LEL, 18% O₂, 10 ppm H₂S, 50 ppm CO) + regulator

OR

- 100 ppm Isobutylene gas (34L) with regulator

OR

- 4-gas mix (34L; 50% LEL, 18% O₂, 10 ppm H₂S, 50 ppm CO) + regulator
- **AND** 100 ppm Isobutylene gas (34L) with regulator

Additional accessories, automatic calibration systems, gas kits, individual gases and regulators are listed under Multi-Gas Accessories and Multi-Gas Calibration sections of the Portables Pricing Guide

Optional Guaranteed Cost of Ownership Program

- 4-year repair and replacement guarantee (available in North America only)
- Annual maintenance service included

SERVICE PROGRAM OPTION	PART NUMBER	LIST PRICE	DESCRIPTION
4-Year Guaranteed Cost of Ownership	SVC-PTC4-MB0	35% of instrument-only list price	Extends warranty and covers replacement of all parts and sensors for 4 years from date of purchase

2012 RAE Systems Portables Pricing Guide

Listed below are some common configurations of the MultiRAE monitors. For others, please use the Assemble-to-Order (ATO) Configuration Guide below.

Standard Sensor Configurations - MultiRAE

	PID Sensor	CO ₂ NDIR Sensor	Pumped	Wireless	Li-ion	Rechargeable	Accessories Kit	Calibration Kit		
Pumped / 10.6 eV PID / LEL / H₂S / CO / O₂ / Li-ion / Non-Wireless										
Unit only	•		•		•				MBB3-A1C112E-020	\$3,793
Unit with Accessories / Confined Space and Calibration (4-gas + Iso) Kits	•		•		•	•	•		MBB3-A1C112E-02M	\$4,603
Pumped / 10.6 eV PID / LEL / H₂S / CO / O₂ / Li-ion / Wireless										
Unit only	•		•	•	•				MBB3-A1C112E-420	\$3,992
Unit with Accessories / Confined Space and Calibration (4-gas + Iso) Kits	•		•	•	•	•	•		MBB3-A1C112E-42M	\$4,802
Pumped / 10.6 eV PID / LEL / CO + H₂S / SO₂ / O₂ / Li-ion / Non-Wireless										
Unit only	•		•		•				MBB3-A1C1R3E-020	\$4,093
Pumped / 10.6 eV PID / LEL / CO + H₂S / SO₂ / O₂ / Li-ion / Wireless										
Unit only	•		•	•	•				MBB3-A1C1R3E-420	\$4,292

Pricing subject to change without notice

MultiRAE Monitors (Model PGM-6228)

R Certification of Intrinsic Safety		* Note: If the instrument is ordered with fewer than five sensors, a dummy sensor must be installed in the empty sensor slot(s)	
B CSA			
M Model / Base Unit Price			
3	MultiRAE (PGM-6228)		\$ 2,299
AA	High-Power Sensor (Options: Dummy / PID / Combust. NDIR / CO ₂ NDIR / Electrochemical Sensors Incl. CO+H ₂ S Combo)		
00	Empty	Dummy sensor	+ \$ 0
PID Sensors			
A1	PID, HR, 10.6 eV	PID sensor (0.1 - 5,000 ppm; 0.1 ppm res.; 10.6 eV lamp)	+ \$ 599
Combustible NDIR Sensors			
B4	CH ₄ NDIR, % LEL	Combustible NDIR sensor (0-100% LEL CH ₄)	+ \$ 799
B5	CH ₄ NDIR, % Vol.	Combustible NDIR sensor (0-100% Vol. CH ₄)	+ \$ 799
CO₂ NDIR Sensors			
B8	CO ₂ NDIR, HR	Carbon dioxide (CO ₂) NDIR sensor (up to 50,000 ppm)	+ \$ 799
Electrochemical Sensors			
01	H ₂ S	Hydrogen Sulfide (H ₂ S) sensor (up to 100 ppm)	+ \$ 199
02	CO	Carbon Monoxide (CO) sensor (up to 500 ppm)	+ \$ 199
03	SO ₂	Sulfur Dioxide (SO ₂) sensor	+ \$ 299
04	NO	Nitric Oxide (NO) sensor	+ \$ 349
05	NO ₂	Nitrogen Dioxide (NO ₂) sensor	+ \$ 349
06	Cl ₂	Chlorine (Cl ₂) sensor	+ \$ 299
07	HCN	Hydrogen Cyanide (HCN) sensor	+ \$ 399
08	NH ₃	Ammonia (NH ₃) sensor	+ \$ 399
09	PH ₃	Phosphine (PH ₃) sensor (up to 20 ppm reading)	+ \$ 399
0A	ClO ₂	Chlorine Dioxide (ClO ₂) sensor	+ \$ 399
0D	CO, HR	Carbon Monoxide (CO) extended-range sensor (up to 2,000 ppm reading)	+ \$ 299
0E	O ₂	Oxygen (O ₂) sensor	+ \$ 199
0F	CO comp. H ₂	Carbon Monoxide (CO) sensor (H ₂ -compensated)	+ \$ 349
0H	CH ₃ -SH	Methyl Mercaptan (CH ₃ -SH) sensor	+ \$ 499
0J	EtO-A	Ethylene Oxide (EtO-A) sensor (0 - 100 ppm; 1 ppm res.)	+ \$ 299
0K	EtO-B	Ethylene Oxide (EtO-B) sensor (0 - 10 ppm, 0.1 ppm res.)	+ \$ 299
0L	EtO-C, HR	Ethylene Oxide (EtO-C) extended-range sensor (0 - 500 ppm; 10 ppm res.)	+ \$ 399
0N	H ₂ S, HR	Hydrogen Sulfide (H ₂ S) extended-range sensor (up to 1,000 ppm reading)	+ \$ 199
0P	PH ₃ , HR	Phosphine (PH ₃) extended-range sensor (up to 1,000 ppm reading)	+ \$ 499
0Q	HCHO	Formaldehyde (HCHO) sensor	+ \$ 699
0R	CO+H ₂ S	Carbon Monoxide+Hydrogen Sulfide (CO+H ₂ S) combo	+ \$ 399

* Note: NDIR % Vol. combustible sensor must be accompanied by the catalytic % LEL sensor (installs in slot BB; see next page)

* Note: ClO₂ and H₂S sensors cannot be installed in the same instrument
 ** Note: NO and NH₃ sensors cannot be installed in the same instrument

* Note: When ordering electrochemical sensors, please select the lower number first

MB B 3 - AA BB C D E - F G H

MultiRAE Configuration Guide

Select one option for Certification, Model, and one for each Feature Group (AA through H), to build a complete model number:

MB	B	3	-	AA	BB	C	D	E	-	F	G	H
MultiRAE	Certification (Always B)	Model (Always 3)		Sensor 1	Sensor 2	Sensor 3	Sensor 4	Sensor 5		Wireless	Battery	Kits

2012 RAE Systems Portables Pricing Guide

BB High-Power Sensor (Options: Dummy / LEL / Electrochemical Sensors Incl. CO+H2S Combo)			
00	Empty	Dummy sensor	+ \$ 0
LEL Catalytic Bead Sensor			
C1	LEL	Combustible catalytic bead % LEL sensor	+ \$ 199
Electrochemical Sensors			
01	H2S	Hydrogen Sulfide (H2S) sensor (up to 100 ppm reading)	+ \$ 199
02	CO	Carbon Monoxide (CO) sensor (up to 500 ppm reading)	+ \$ 199
03	SO2	Sulfur Dioxide (SO2) sensor	+ \$ 299
04	NO	Nitric Oxide (NO) sensor	+ \$ 349
05	NO2	Nitrogen Dioxide (NO2) sensor	+ \$ 349
06	Cl2	Chlorine (Cl2) sensor	+ \$ 299
07	HCN	Hydrogen Cyanide (HCN) sensor	+ \$ 399
08	NH3	Ammonia (NH3) sensor	+ \$ 399
09	PH3	Phosphine (PH3) sensor (up to 20 ppm reading)	+ \$ 399
0A	ClO2	Chlorine Dioxide (ClO2) sensor	+ \$ 399
0D	CO, HR	Carbon Monoxide (CO) extended-range sensor (up to 2,000 ppm reading)	+ \$ 299
0E	O2	Oxygen (O2) sensor	+ \$ 199
0F	CO comp. H2	Carbon Monoxide (CO) sensor (H2-compensated)	+ \$ 349
0H	CH3-SH	Methyl Mercaptan (CH3-SH) sensor	+ \$ 499
0J	EtO-A	Ethylene Oxide (EtO-A) sensor (0 - 100 ppm; 1 ppm res.)	+ \$ 299
0K	EtO-B	Ethylene Oxide (EtO-B) sensor (0 - 10 ppm, 0.1 ppm res.)	+ \$ 299
0L	EtO-C, HR	Ethylene Oxide (EtO-C) extended-range sensor (0 - 500 ppm; 10 ppm res.)	+ \$ 399
0N	H2S, HR	Hydrogen Sulfide (H2S) extended-range sensor (up to 1,000 ppm reading)	+ \$ 199
0P	PH3, HR	Phosphine (PH3) extended-range sensor (up to 1,000 ppm reading)	+ \$ 499
0Q	HCHO	Formaldehyde (HCHO) sensor	+ \$ 699
0R	CO+H2S	Carbon Monoxide+Hydrogen Sulfide (CO+H2S) combo	+ \$ 399

*** Note: ClO₂ and H₂S** sensors cannot be installed in the same instrument

**** Note: NO and NH₃** sensors cannot be installed in the same instrument

*** Note: When ordering** electrochemical sensors, please select the lower number first

MB B 3 - AA BB C D E - F G H

MultIRAE Configuration Guide

Select one option for Certification, Model, and one for each Feature Group (AA through H), to build a complete model number:

MB	B	3	-	AA	BB	C	D	E	-	F	G	H
MultIRAE	Certification (Always B)	Model (Always 3)		Sensor 1	Sensor 2	Sensor 3	Sensor 4	Sensor 5		Wireless	Battery	Kits

2012 RAE Systems Portables Pricing Guide

C Low-Power Sensor (Options: Dummy / Electrochemical Sensors Incl. CO+H2S Combo)			
0	Empty	Dummy sensor	+ \$ 0
Electrochemical Sensors			
1	H2S	Hydrogen Sulfide (H2S) sensor (up to 100 ppm reading)	+ \$ 199
2	CO	Carbon Monoxide (CO) sensor (up to 500 ppm reading)	+ \$ 199
3	SO2	Sulfur Dioxide (SO2) sensor	+ \$ 299
4	NO	Nitric Oxide (NO) sensor	+ \$ 349
5	NO2	Nitrogen Dioxide (NO2) sensor	+ \$ 349
6	Cl2	Chlorine (Cl2) sensor	+ \$ 299
7	HCN	Hydrogen Cyanide (HCN) sensor	+ \$ 399
8	NH3	Ammonia (NH3) sensor	+ \$ 399
9	PH3	Phosphine (PH3) sensor (up to 20 ppm reading)	+ \$ 399
A	ClO2	Chlorine Dioxide (ClO2) sensor	+ \$ 399
D	CO, HR	Carbon Monoxide (CO) extended-range sensor (up to 2,000 ppm reading)	+ \$ 299
E	O2	Oxygen (O2) sensor	+ \$ 199
F	CO comp. H2	Carbon Monoxide (CO) sensor (H2-compensated)	+ \$ 349
H	CH3-SH	Methyl Mercaptan (CH3-SH) sensor	+ \$ 499
J	EtO-A	Ethylene Oxide (EtO-A) sensor (0 - 100 ppm; 1 ppm res.)	+ \$ 299
K	EtO-B	Ethylene Oxide (EtO-B) sensor (0 - 10 ppm, 0.1 ppm res.)	+ \$ 299
L	EtO-C, HR	Ethylene Oxide (EtO-C) extended-range sensor (0 - 500 ppm; 10 ppm res.)	+ \$ 399
N	H2S, HR	Hydrogen Sulfide (H2S) extended-range sensor (up to 1,000 ppm reading)	+ \$ 199
P	PH3, HR	Phosphine (PH3) extended-range sensor (up to 1,000 ppm reading)	+ \$ 499
Q	HCHO	Formaldehyde (HCHO) sensor	+ \$ 699
R	CO+H2S	Carbon Monoxide+Hydrogen Sulfide (CO+H2S) combo	+ \$ 399

* Note: ClO₂ and H₂S sensors cannot be installed in the same instrument

** Note: NO and NH₃ sensors cannot be installed in the same instrument

* Note: When ordering electrochemical sensors, please select the lower number first

MB B 3 - AA BB **C** D E - F G H

MultiRAE Configuration Guide

Select one option for Certification, Model, and one for each Feature Group (AA through H), to build a complete model number:

MB	B	3	-	AA	BB	C		D		E	-	F		G		H
MultiRAE	Certification (Always B)	Model (Always 3)		Sensor 1	Sensor 2	Sensor 3		Sensor 4		Sensor 5		Wireless		Battery		Kits

2012 RAE Systems Portables Pricing Guide

D Low-Power Sensor (Options: Dummy / Electrochemical Sensors)			
0	Empty	Dummy sensor	+ \$ 0
Electrochemical Sensors			
1	H2S	Hydrogen Sulfide (H2S) sensor (up to 100 ppm reading)	+ \$ 199
2	CO	Carbon Monoxide (CO) sensor (up to 500 ppm reading)	+ \$ 199
3	SO2	Sulfur Dioxide (SO2) sensor	+ \$ 299
4	NO	Nitric Oxide (NO) sensor	+ \$ 349
5	NO2	Nitrogen Dioxide (NO2) sensor	+ \$ 349
6	Cl2	Chlorine (Cl2) sensor	+ \$ 299
7	HCN	Hydrogen Cyanide (HCN) sensor	+ \$ 399
8	NH3	Ammonia (NH3) sensor	+ \$ 399
9	PH3	Phosphine (PH3) sensor (up to 20 ppm reading)	+ \$ 399
A	ClO2	Chlorine Dioxide (ClO2) sensor	+ \$ 399
D	CO, HR	Carbon Monoxide (CO) extended-range sensor (up to 2,000 ppm reading)	+ \$ 299
E	O2	Oxygen (O2) sensor	+ \$ 199
F	CO comp. H2	Carbon Monoxide (CO) sensor (H2-compensated)	+ \$ 349
H	CH3-SH	Methyl Mercaptan (CH3-SH) sensor	+ \$ 499
J	EtO-A	Ethylene Oxide (EtO-A) sensor (0 - 100 ppm; 1 ppm res.)	+ \$ 299
K	EtO-B	Ethylene Oxide (EtO-B) sensor (0 - 10 ppm, 0.1 ppm res.)	+ \$ 299
L	EtO-C, HR	Ethylene Oxide (EtO-C) extended-range sensor (0 - 500 ppm; 10 ppm res.)	+ \$ 399
N	H2S, HR	Hydrogen Sulfide (H2S) extended-range sensor (up to 1,000 ppm reading)	+ \$ 199
P	PH3, HR	Phosphine (PH3) extended-range sensor (up to 1,000 ppm reading)	+ \$ 499
Q	HCHO	Formaldehyde (HCHO) sensor	+ \$ 699

* Note: ClO₂ and H₂S sensors cannot be installed in the same instrument

** Note: NO and NH₃ sensors cannot be installed in the same instrument

* Note: When ordering electrochemical sensors, please select the lower number first

MB B 3 - AA BB C **D** E - F G H

MultiRAE Configuration Guide

Select one option for Certification, Model, and one for each Feature Group (AA through H), to build a complete model number:

MB	B	3	-	AA	BB	C	D	E	-	F	G	H
MultiRAE	Certification (Always B)	Model (Always 3)		Sensor 1	Sensor 2	Sensor 3	Sensor 4	Sensor 5		Wireless	Battery	Kits

2012 RAE Systems Portables Pricing Guide

E Low-Power Sensor (Options: Dummy / Electrochemical Sensors)					
0	Empty	Dummy sensor		+ \$	0
Electrochemical Sensors					
1	H2S	Hydrogen Sulfide (H2S) sensor (up to 100 ppm)		+ \$	199
2	CO	Carbon Monoxide (CO) sensor (up to 500 ppm)		+ \$	199
3	SO2	Sulfur Dioxide (SO2) sensor	* Note: ClO ₂ and H ₂ S sensors cannot be installed in the same instrument	+ \$	299
4	NO	Nitric Oxide (NO) sensor		+ \$	349
5	NO2	Nitrogen Dioxide (NO2) sensor		+ \$	349
6	Cl2	Chlorine (Cl2) sensor		+ \$	299
7	HCN	Hydrogen Cyanide (HCN) sensor		+ \$	399
8	NH3	Ammonia (NH3) sensor	** Note: NO and NH ₃ sensors cannot be installed in the same instrument	+ \$	399
9	PH3	Phosphine (PH3) sensor (up to 20 ppm reading)		+ \$	399
A	ClO2	Chlorine Dioxide (ClO2) sensor		+ \$	399
D	CO, HR	Carbon Monoxide (CO) sensor (up to 2,000 ppm)		+ \$	299
E	O2	Oxygen (O2) sensor	* Note: When ordering electrochemical sensors, please select the lower number first	+ \$	199
F	CO comp. H2	Carbon Monoxide (CO) sensor (H2-compensated)		+ \$	349
H	CH3-SH	Methyl Mercaptan (CH3-SH) sensor		+ \$	499
J	EtO-A	Ethylene Oxide (EtO-A) sensor (0 - 100 ppm; 1 ppm res.)		+ \$	299
K	EtO-B	Ethylene Oxide (EtO-B) sensor (0 - 10 ppm, 0.1 ppm res.)		+ \$	299
L	EtO-C, HR	Ethylene Oxide (EtO-C) extended-range sensor (0 - 500 ppm; 10 ppm res.)		+ \$	399
N	H2S, HR	Hydrogen Sulfide (H2S) extended-range sensor (up to 1,000 ppm reading)		+ \$	199
P	PH3, HR	Phosphine (PH3) extended-range sensor (up to 1,000 ppm reading)		+ \$	499
Q	HCHO	Formaldehyde (HCHO) sensor		+ \$	699

MB B 3 - AA BB C D E - F G H

MultirAE Configuration Guide

Select one option for Certification, Model, and one for each Feature Group (AA through H), to build a complete model number:

MB	B	3	-	AA	BB	C	D	-	E	F	G	H
MultiRAE	Certification (Always B)	Model (Always 3)		Sensor 1	Sensor 2	Sensor 3	Sensor 4		Sensor 5	Wireless	Battery	Kits

2012 RAE Systems Portables Pricing Guide

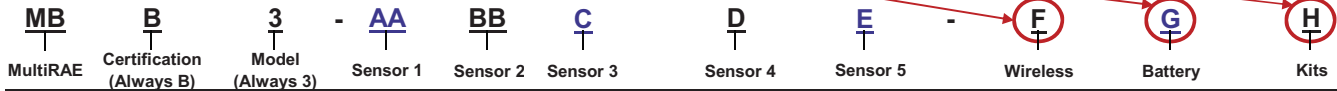
F Wireless Options				
0	Empty Non-wireless	+	\$	0
4	W-900 Wireless, 900 MHz (built-in wireless modem)	+	\$	199
G Battery Options				
2	Rechargeable (Li-ion) battery with alkaline adapter	+	\$	99
3	Alkaline battery pack	+	\$	0
H Kits and Accessories				
0	Monitor only	+	\$	0
2	Accessories / Conf. Space + 100ppm Isobutylene Cal. Kit (with 1 regulator)	+	\$	332
9	Accessories / Conf. Space + 4-gas (LEL/O ₂ /CO/H ₂ S) Cal. Kit (with 1 regulator)	+	\$	576
M	Access. / Conf. Space + 4-gas (LEL/O ₂ /CO/H ₂ S) + 100ppm Iso Cal. Kit (with 2 regulators)	+	\$	810
4	Pelican case upgrade: Monitor only	+	\$	299
5	Pelican case upgrade: Access. / Conf. Space + 100ppm Isobutylene Cal. Kit (w/1 reg.)	+	\$	631
6	Pelican case upgrade: Access. / Conf. Space + 4-gas (LEL/O ₂ /CO/H ₂ S) Cal. Kit (w/1 reg.)	+	\$	875
7	Pelican case upgr.: Access. / Conf. Sp. + 4-gas (LEL/O ₂ /CO/H ₂ S) + 100ppm Iso Kit (w/2 reg's)	+	\$	1,109

MB B 3 - AA BB C D E - F G H

Total

MultirAE Configuration Guide

Select one option for Certification, Model, and one for each Feature Group (AA through H), to build a complete model number:



For further information contact:
Environmental Equipment & Supply
 Fax: (717) 901-8114 Tel: (800) 739-7706 (717) 901-8891
 491L Blue Eagle Ave. Harrisburg, PA 17112
 Web: www.envisupply.com E-mail: sales@envisupply.com

Pricing subject to change without notice