



MultiRAE Lite Monitors (Models PGM-6208 and PGM-6208D)

MultiRAE Lite wireless portable one-to-six gas personal protection / confined space monitors

Model PGM-6208 I include Pump, PGM-6208 I exclude Pump,

Monitor-Only Configuration Includes:

- MultiRAE Lite monitor with sensors, battery and wireless options as specified, and protective rubber boot and filter(s) installed
- Continuous datalogging (6 months for 5 sensors @ 1-minute)
- Travel charger / PC communications adapter
- PC communication cable
- AC adapter
- Calibration adapter
- Alkaline battery adapter
- Toolkit with Hex tool and Phillips screwdriver
- Quick Start Guide
- CD with documentation
- ProRAE Studio II Instrument Configuration & Data Management Software
- Calibration and test certificate
- Warranty / registration card
- 10 charcoal VOC filters for CO sensor

The pumped model of MultiRAE Lite also includes:

- Built-in pump
- PID sensor cap removal tool

Optional Accessories / Confined Space Kit Adds:

- Hard transport case with custom foam (P/N: M01-3203-000)
 - 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



AutoRAE 2
Compatible

Optional Calibration Kits Add:

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

Instrument ships in a cardboard box with a colorful sleeve



Listed below are some common configurations of the MultiRAE Lite monitors. For others,

Standard Sensor Configurations - MultiRAE Lite

PID Sensor	CO ₂ NDIR Sensor	Pumped	Wireless	Li-ion Rechargeable	Accessories Kit	Calibration Kit
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Pumped / 10.6 eV PID / LEL / H₂S / CO / O₂ / Li-ion / Non-Wireless							PART NUMBER	LIST PRICE
Unit only	•		•		•		MAA3-A2C112E-020	
Unit with Accessories / Confined Space Kit (no gas or regulator)	•		•		•	•	MAA3-A2C112E-021	,
Unit with Accessories / Confined Space and Calibration (4-gas + Iso) Kits	•		•		•	•	MAA3-A2C112E-02M	

Pumped / 10.6 eV PID / LEL / H₂ S / CO / O₂ / Li-ion / Wireless (868 MHz)							PART NUMBER	LIST PRICE
Unit only	•		•	•	•		MAA3-A2C112E-320	
Unit with Accessories / Confined Space Kit (no gas or regulator)	•		•	•	•	•	MAA3-A2C112E-321	
Unit with Accessories / Confined Space and Calibration (4-gas + Iso) Kits	•		•	•	•	•	MAA3-A2C112E-32M	

Pumped / 10.6 eV PID / LEL / CO + H₂S / SO₂ / O₂ / Li-ion / Non-Wireless							PART NUMBER	LIST PRICE
Unit only	•		•		•		MAA3-A2C1R3E-020	
Unit with Accessories / Confined Space Kit (no gas or regulator)	•		•		•	•	MAA3-A2C1R3E-021	

Pumped / 10.6 eV PID / LEL / CO + H₂ S / SO₂ / O₂ / Li-ion / Wireless (868 MHz)							PART NUMBER	LIST PRICE
Unit only	•		•	•	•		MAA3-A2C1R3E-320	
Unit with Accessories / Confined Space Kit (no gas or regulator)	•		•	•	•	•	MAA3-A2C1R3E-321	,

Pumped / CO₂ / LEL / CO / O₂ / Li-ion / Non-Wireless							PART NUMBER	LIST PRICE
Unit only		•	•		•		MAA3-B8C102E-020	
Unit with Accessories / Confined Space Kit (no gas or regulator)		•	•		•	•	MAA3-B8C102E-021	,

Pumped / CO₂ / LEL / CO / O₂ / Li-ion / Wireless (868 MHz)							PART NUMBER	LIST PRICE
Unit only		•	•	•	•		MAA3-B8C102E-320	0
Unit with Accessories / Confined Space Kit (no gas or regulator)		•	•	•	•	•	MAA3-B8C102E-321	, 0

Pumped / O₂ / LEL / H₂S / CO / SO₂ / Li-ion / Non-Wireless							PART NUMBER	LIST PRICE
Unit only			•		•		MAA3-0EC1123-020	
Unit with Accessories / Confined Space Kit (no gas or regulator)			•		•	•	MAA3-0EC1123-021	,

Pumped / O₂ / LEL / H₂ S / CO / SO₂ / Li-ion / Wireless (868 MHz)							PART NUMBER	LIST PRICE
Unit only			•	•	•		MAA3-0EC1123-320	
Unit with Accessories / Confined Space Kit (no gas or regulator)			•	•	•	•	MAA3-0EC1123-321	,

Diffusion / CO₂ / LEL / H₂S / O₂ / Li-ion / Non-Wireless							PART NUMBER	LIST PRICE
Unit only		•			•		MAA6-B8C101E-020	
Unit with Accessories / Confined Space Kit (no gas or regulator)		•			•	•	MAA6-B8C101E-021	

Diffusion / CO₂ / LEL / H₂S / O₂ / Li-ion / Wireless (868 MHz)							PART NUMBER	LIST PRICE
Unit only		•		•	•		MAA6-B8C101E-320	
Unit with Accessories / Confined Space Kit (no gas or regulator)		•		•	•	•	MAA6-B8C101E-321	,



MultiRAE Lite Monitors (Models PGM-6208 and PGM-6208D)

R	Certification of Intrinsic Safety		
A	ATEX / IECEx		* Note: If the instrument is ordered with fewer than five sensors, a dummy sensor must be installed in the empty sensor slot(s)
R	IECEx / ANZEX		
M	Model / Base Unit Price		
3	MultiRAE Lite - Pumped (PGM-6208)		\$
6	MultiRAE Lite - Diffusion (PGM-6208D)		\$
2	MultiRAE Lite - Pumped (PGM-6206), ATEX/IECEx Zone 0		\$
5	MultiRAE Lite - Diffusion (PGM-6206D), ATEX/IECEx Zone 0		\$
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			
A2	PID, LR, 10.6 eV PID sensor (1 - 1,000 ppm; 1 ppm res.; 10.6 eV)		\$
Combustible NDIR Sensors			
B4	CH ₄ NDIR, % LEL Combustible NDIR sensor (0-100% LEL CH ₄)		\$
B5	CH ₄ NDIR, % Vol. Combustible NDIR sensor (0-100% Vol. CH ₄)		\$
CO₂ NDIR Sensors			
B8	CO ₂ NDIR, HR Carbon dioxide (CO ₂) NDIR sensor (up to 50,000 ppm)		\$
Electrochemical Sensors			
01	H ₂ S Hydrogen Sulfide (H ₂ S) sensor (up to 100 ppm reading)		\$
02	CO Carbon Monoxide (CO) sensor (up to 500 ppm reading)		\$
03	SO ₂ Sulfur Dioxide (SO ₂) sensor		\$
04	NO Nitric Oxide (NO) sensor		\$
05	NO ₂ Nitrogen Dioxide (NO ₂) sensor		\$
06	Cl ₂ Chlorine (Cl ₂) sensor		\$
07	HCN Hydrogen Cyanide (HCN) sensor		\$
08	NH ₃ Ammonia (NH ₃) sensor		\$
09	PH ₃ Phosphine (PH ₃) sensor (up to 20 ppm reading)		\$
0A	ClO ₂ Chlorine Dioxide (ClO ₂) sensor		\$
0D	CO, HR Carbon Monoxide (CO) extended-range sensor (up to 2,000 ppm reading)		\$
0E	O ₂ Oxygen (O ₂) sensor		\$
0F	CO comp. H ₂ Carbon Monoxide (CO) sensor (H ₂ -compensated)		\$
0H	CH ₃ -SH Methyl Mercaptan (CH ₃ -SH) sensor		\$
0J	EtO-A Ethylene Oxide (EtO-A) sensor (0 - 100 ppm; 1 ppm res.)		\$
0K	EtO-B Ethylene Oxide (EtO-B) sensor (0 - 10 ppm, 0.1 ppm res.)		\$
0L	EtO-C, HR Ethylene Oxide (EtO-C) extended-range sensor (0 - 500 ppm; 10 ppm res.)		\$
0M	H ₂ Hydrogen (H ₂) sensor		\$
0N	H ₂ S, HR Hydrogen Sulfide (H ₂ S) extended-range sensor (up to 1,000 ppm reading)		\$
0Q	HCHO Formaldehyde (HCHO) sensor		\$
0R	CO+H ₂ S Carbon Monoxide+Hydrogen Sulfide (CO+H ₂ S) combo		\$
0S	O ₂ Liquid Oxygen (O ₂) sensor		+ \$

* Note: ATEX/IECEx Zone 0 unit cannot be configured with NDIR sensors

* Note: PID sensors require a pump

* Note: combustible NDIR sensors (%LEL or %Vol.) require a pump

* 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

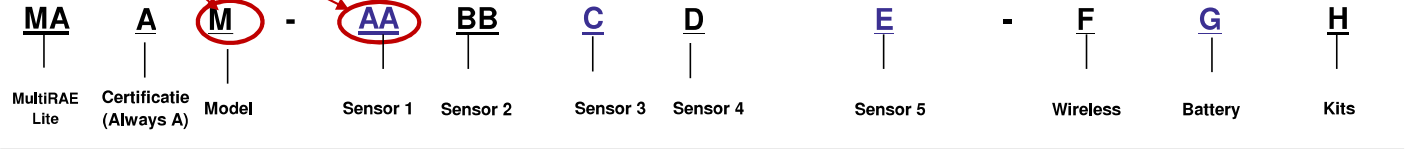
* Note: When ordering electrochemical sensors, please select the lower number first

* Note: H₂, H₂S HR and ETO-C sensors are only supported in the diffusion model

MA A M - AA BB C D E - F G H

MultiRAE Lite Configuration Guide

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





BB	High-Power Sensor (Options: Dummy / LEL / Electrochemical Sensors Incl. CO+H₂S Combo)		
00	Empty	Dummy sensor	\$
LEL Catalytic Bead Sensor			
C1	LEL	Combustible catalytic bead % LEL sensor	+ \$
Electrochemical Sensors			
01	H ₂ S	Hydrogen Sulfide (H ₂ S) sensor (up to 100 ppm reading)	\$
02	CO	Carbon Monoxide (CO) sensor (up to 500 ppm reading)	\$
03	SO ₂	Sulfur Dioxide (SO ₂) sensor	\$
04	NO	Nitric Oxide (NO) sensor	\$
05	NO ₂	Nitrogen Dioxide (NO ₂) sensor	\$
06	Cl ₂	Chlorine (Cl ₂) sensor	\$
07	HCN	Hydrogen Cyanide (HCN) sensor	\$
08	NH ₃	Ammonia (NH ₃) sensor	\$
09	PH ₃	Phosphine (PH ₃) sensor (up to 20 ppm reading)	\$
0A	ClO ₂	Chlorine Dioxide (ClO ₂) sensor	\$
0D	CO, HR	Carbon Monoxide (CO) extended-range sensor (up to 2,000 ppm reading)	\$
0E	O ₂	Oxygen (O ₂) sensor	\$
0F	CO comp. H ₂	Carbon Monoxide (CO) sensor (H ₂ -compensated)	\$
0H	CH ₃ -SH	Methyl Mercaptan (CH ₃ -SH) sensor	\$
0J	EtO-A	Ethylene Oxide (EtO-A) sensor (0 - 100 ppm; 1 ppm res.)	\$
0K	EtO-B	Ethylene Oxide (EtO-B) sensor (0 - 10 ppm, 0.1 ppm res.)	\$
0L	EtO-C, HR	Ethylene Oxide (EtO-C) extended-range sensor (0 - 500 ppm; 10 ppm res.)	\$
0N	H ₂ S, HR	Hydrogen Sulfide (H ₂ S) extended-range sensor (up to 1,000 ppm reading)	\$
0Q	HCHO	Formaldehyde (HCHO) sensor	+ \$
0R	CO+H ₂ S	Carbon Monoxide+Hydrogen Sulfide (CO+H ₂ S) combo	+ \$
0S	O ₂	Liquid Oxygen (O ₂) sensor	+ \$

*** 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

*** Note:** H₂S HR and ETO-C sensors are only supported in the diffusion model

MA A M - AA **BB** C D E - F G H

MultiRAE Lite Configuration Guide

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

MA	A	M	-	AA	BB	C	D	E	-	F	G	H
MultiRAE Lite	Certificate (Always A)	Model		Sensor 1	Sensor 2	Sensor 3	Sensor 4	Sensor 5		Wireless	Battery	Kits



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

* 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

* Note: H2S HR and ETO-C sensors are only supported in the diffusion model

MA A M - AA BB **C** D E - F G H

MultiRAE Lite Configuration Guide

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

MA	A	M	-	AA	BB	C	D	E	-	F	G	H
MultiRAE Lite	Certificate (Always A)	Model		Sensor 1	Sensor 2	Sensor 3	Sensor 4	Sensor 5		Wireless	Battery	Kits

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)	+ \$ 210
2	CO	Carbon Monoxide (CO) sensor (up to 500 ppm reading)	+ \$ 210
3	SO2	Sulfur Dioxide (SO2) sensor	+ \$ 310
4	NO	Nitric Oxide (NO) sensor	+ \$ 360
5	NO2	Nitrogen Dioxide (NO2) sensor	+ \$ 360
6	Cl2	Chlorine (Cl2) sensor	+ \$ 310
7	HCN	Hydrogen Cyanide (HCN) sensor	+ \$ 420
8	NH3	Ammonia (NH3) sensor	+ \$ 420
9	PH3	Phosphine (PH3) sensor (up to 20 ppm reading)	+ \$ 420
A	ClO2	Chlorine Dioxide (ClO2) sensor	+ \$ 420
D	CO, HR	Carbon Monoxide (CO) extended-range sensor (up to 2,000 ppm reading)	+ \$ 310
E	O2	Oxygen (O2) sensor	+ \$ 210
F	CO comp. H2	Carbon Monoxide (CO) sensor (H2-compensated)	+ \$ 360
H	CH3-SH	Methyl Mercaptan (CH3-SH) sensor	+ \$ 520
J	EtO-A	Ethylene Oxide (EtO-A) sensor (0 - 100 ppm; 1 ppm res.)	+ \$ 310
K	EtO-B	Ethylene Oxide (EtO-B) sensor (0 - 10 ppm, 0.1 ppm res.)	+ \$ 310
L	EtO-C, HR	Ethylene Oxide (EtO-C) extended-range sensor (0 - 500 ppm; 10 ppm res.)	+ \$ 420
M	H2	Hydrogen (H2) sensor	+ \$ 420
N	H2S, HR	Hydrogen Sulfide (H2S) extended-range sensor (up to 1,000 ppm reading)	+ \$ 210
Q	HCHO	Formaldehyde (HCHO) sensor	+ \$ 720
S	O2	Liquid Oxygen (O2) sensor	+ \$ 310

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

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

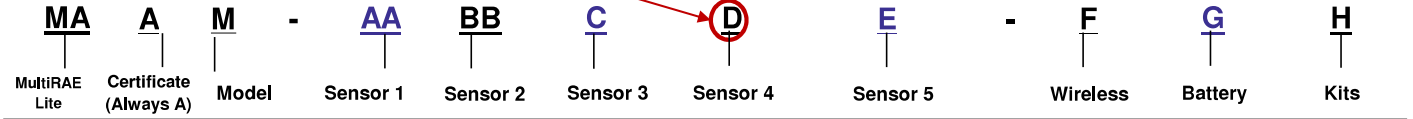
* Note: When ordering electrochemical sensors, please select the lower number first

* Note: H₂, H₂S, HR and EtO-C sensors are only supported in the diffusion model

MA A M - AA BB C **D** E - F G H

MultiRAE Lite Configuration Guide

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



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)	+
2	CO	Carbon Monoxide (CO) sensor (up to 500 ppm)	+
3	SO2	Sulfur Dioxide (SO2) sensor	+
4	NO	Nitric Oxide (NO) sensor	+
5	NO2	Nitrogen Dioxide (NO2) sensor	+
6	Cl2	Chlorine (Cl2) sensor	+
7	HCN	Hydrogen Cyanide (HCN) sensor	+
8	NH3	Ammonia (NH3) sensor	+
9	PH3	Phosphine (PH3) sensor (up to 20 ppm reading)	+
A	ClO2	Chlorine Dioxide (ClO2) sensor	+
D	CO, HR	Carbon Monoxide (CO) sensor (up to 2,000 ppm)	+
E	O2	Oxygen (O2) sensor	+
F	CO comp. H2	Carbon Monoxide (CO) sensor (H2-compensated)	+
H	CH3-SH	Methyl Mercaptan (CH3-SH) sensor	+
J	EtO-A	Ethylene Oxide (EtO-A) sensor (0 - 100 ppm; 1 ppm res.)	+
K	EtO-B	Ethylene Oxide (EtO-B) sensor (0 - 10 ppm, 0.1 ppm res.)	+
L	EtO-C, HR	Ethylene Oxide (EtO-C) extended-range sensor (0 - 500 ppm; 10 ppm res.)	+
M	H2	Hydrogen (H2) sensor	+
N	H2S, HR	Hydrogen Sulfide (H2S) extended-range sensor (up to 1,000 ppm reading)	+
Q	HCHO	Formaldehyde (HCHO) sensor	+
S	O2	Liquid Oxygen (O2) sensor	+

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

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

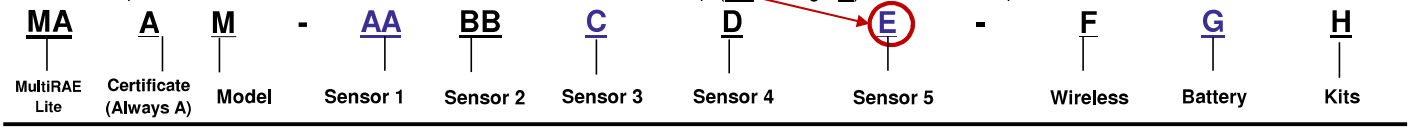
* Note: When ordering electrochemical sensors, please select the lower number first

* Note: H₂, H₂S HR and EtO-C sensors are only supported in the diffusion model

MA A M - AA BB C D **E** F G H

MultiRAE Lite Configuration Guide

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



F Wireless Options			
0	Empty	Non-wireless	+
3	W-868	Wireless, 868 MHz (built-in wireless modem)	+
4	W-900	Wireless, 900 MHz (built-in wireless modem)	+
G Battery Options			
1	Extended-duration (Li-ion) battery with alkaline adapter		+
2	Rechargeable (Li-ion) battery with alkaline adapter		+
3	Alkaline battery pack		+
H Kits and Accessories			
0	Monitor only		+
1	Accessories / Confined Space Kit (no gas or regulator)		+
2	Accessories / Conf. Space + 100 ppm Isobutylene Cal. Kit (with 1 regulator)		+
9	Accessories / Conf. Space + 4-gas (LEL/O ₂ /CO/H ₂ S) Cal. Kit (with 1 regulator)		+
M	Access. / Conf. Space + 4-gas (LEL/O ₂ /CO/H ₂ S) + 100 ppm Iso Cal. Kit (with 2 reg's)		+

MA A M - AA BB C D E - **F** **G** **H**

Total

MultiRAE Lite Configuration Guide

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

