

MultiRAE Pro Monitors (Model PGM-6248)

MultiRAE Pro wireless portable multi-threat monitors for radiation and advanced chemical detection

Monitor-Only Configuration Includes:

- MultiRAE Pro 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
 - Desktop charging / PC communications cradle
 - Desktop Charger / PC communication cable
 - AC adapter
 - Calibration adapter
 - Alkaline battery adapter
 - Toolkit with Hex tool and Phillips screwdriver
 - PID sensor cap removal tool
 - PID zeroing filter (P/N: 008-3024-000)
 - 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
 - 10 charcoal VOC filters for CO sensor
- Instrument ships in a "Pelican" case with custom foam that can also accommodate accessories and 2 calibration gas cylinders with 2 regulators (sold separately)

Wireless

AutoRAE 2
Compatible



Optional Accessories / Confined Space and Calibration Kits Add:

- Remote Sample Draw Kit (P/N: 008-3015-200)
 - 10" (26 cm) aluminum sample probe with replaceable filters,
 - 3 hydrophobic barrier filters
 - 4-gas mix (34L; 50% LEL, 18% O₂, 10 ppm H₂S, 50 ppm CO, w/ regulator)
- OR**
- 10 ppm **OR** 100 ppm Isobutylene gas (34L) with regulator
- OR**
- 4-gas mix (34L; 50% LEL, 18% O₂, 10 ppm H₂S, 50 ppm CO, w/ regulator)
 - **AND** 10 ppm **OR** 100 ppm Isobutylene gas (34L) with regulator
- OR**
- 4-gas mix (34L; 50% LEL, 18% O₂, 10 ppm H₂S, 50 ppm CO, w/ regulator)
 - **AND** 10 ppm Isobutylene gas (34L) with regulator
 - **AND** 100 ppm Isobutylene gas (34L) with regulator
- Additional accessories, calibration systems, gas kits, individual gases and regulators are listed under Multi-Gas Accessories and Multi-Gas Calibration sections of the Portable Pricing Guide



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

PID Sensor	Gamma Sensor	Pumped	Wireless	Li-ion Rechargeable	Accessories Kit	Calibration Kit
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Standard Sensor Configurations - MultiRAE Pro

Pumped / 10.6 eV ppb PID / LEL / CO + H ₂ S / O ₂ / Gamma / Li-ion / Non-Wireless	PART NUMBER	LIST PRICE
Unit only	MCA3-A3C1REZ-020	
Unit with Accessories / Confined Space and Calibration Kit (4-gas + 10 ppm Iso)	MCA3-A3C1REZ-02M	
Unit with Access. / Conf. Space and Cal. Kit (4-gas + 10 ppm Iso + 100 ppm Iso)	MCA3-A3C1REZ-02N	

Pumped / 10.6 eV ppb PID / LEL / CO + H ₂ S / O ₂ / Gamma / Li-ion / Wireless (868 MHz)	PART NUMBER	LIST PRICE
Unit only	MCA3-A3C1REZ-320	
Unit with Accessories / Confined Space and Calibration Kit (4-gas + 10 ppm Iso)	MCA3-A3C1REZ-32M	
Unit with Access. / Conf. Space and Cal. Kit (4-gas + 10 ppm Iso + 100 ppm Iso)	MCA3-A3C1REZ-32N	

Pumped / 10.6 eV ppb PID / LEL / Cl ₂ / NH ₃ / O ₂ / Li-ion / Non-Wireless	PART NUMBER	LIST PRICE
Unit only	MCA3-A3C168E-020	

Pumped / 10.6 eV ppb PID / LEL / Cl ₂ / NH ₃ / O ₂ / Li-ion / Wireless (868 MHz)	PART NUMBER	LIST PRICE
Unit only	MCA3-A3C168E-320	

MultiRAE Pro Monitors (Model PGM-6248)

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 Pro (PGM-6248)		* Note: ATEX/IECEX Zone 0 unit cannot be configured with NDIR sensors
2	MultiRAE Pro (PGM-6248), 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	+ \$
PID Sensors			
A1	PID, HR, 10.6 eV	PID sensor (0.1 - 5,000 ppm; 0.1 ppm res.; 10.6 eV lamp)	+ \$
A3	PID, ppb, 10.6 eV	PID ppb sensor (10 ppb - 2,000 ppm; 10 ppb res.; 10.6 eV lamp)	+ \$
A4	PID, 9.8 eV	PID sensor (0.1 - 1,000 ppm (benzene); 0.1 ppm res.; 9.8 eV lamp) * (check availability with Honeywell)	+ \$
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.)	+ \$
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	+ \$

MC A 3 AA BB C D E - F G H

MultiRAE Pro Configuration Guide

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

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



BB High-Power Sensor (Options: Dummy / LEL / Electrochemical Sensors Incl. CO+H ₂ S 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.)	+	\$
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

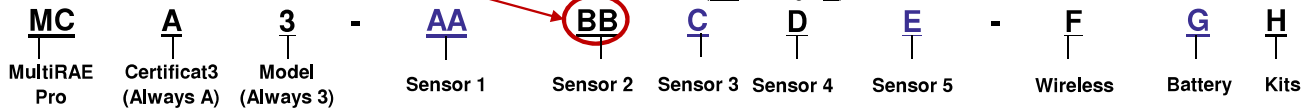
** Note: NO and NH₃ sensors cannot be installed in the same instrument

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

MC A 3 - AA **BB** C D E - F G H

MultiRAE Pro Configuration Guide

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



C Low-Power Sensor (Options: Dummy / Electrochemical Sensors Incl. CO+H ₂ S Combo)				
0	Empty	Dummy sensor	+	\$
Electrochemical Sensors				
1	H ₂ S	Hydrogen Sulfide (H ₂ S) sensor (up to 100 ppm reading)	+	\$
2	CO	Carbon Monoxide (CO) sensor (up to 500 ppm reading)	+	\$
3	SO ₂	Sulfur Dioxide (SO ₂) sensor	+	\$
4	NO	Nitric Oxide (NO) sensor	+	\$
5	NO ₂	Nitrogen Dioxide (NO ₂) sensor	+	\$
6	Cl ₂	Chlorine (Cl ₂) sensor	+	\$
7	HCN	Hydrogen Cyanide (HCN) sensor	+	\$
8	NH ₃	Ammonia (NH ₃) sensor	+	\$
9	PH ₃	Phosphine (PH ₃) sensor (up to 20 ppm reading)	+	\$
A	ClO ₂	Chlorine Dioxide (ClO ₂) sensor	+	\$
D	CO, HR	Carbon Monoxide (CO) extended-range sensor (up to 2,000 ppm reading)	+	\$
E	O ₂	Oxygen (O ₂) sensor	+	\$
F	CO comp. H ₂	Carbon Monoxide (CO) sensor (H ₂ -compensated)	+	\$
H	CH ₃ -SH	Methyl Mercaptan (CH ₃ -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.)	+	\$
Q	HCHO	Formaldehyde (HCHO) sensor	+	\$
R	CO+H ₂ S	Carbon Monoxide+Hydrogen Sulfide (CO+H ₂ S) combo	+	\$
S	O ₂	Liquid Oxygen (O ₂) sensor	+	\$

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

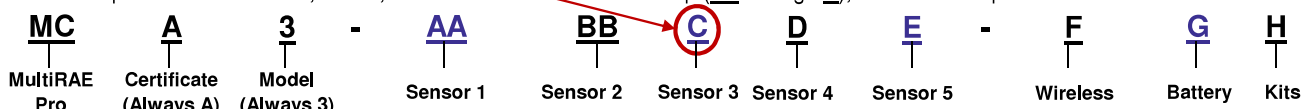
** Note: NO and NH₃ sensors cannot be installed in the same instrument

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

MC A 3 - AA **BB** **C** D E - F G H

MultiRAE Pro Configuration Guide

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



D Low-Power Sensor (Options: Dummy / Electrochemical Sensors)			
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.)	+ \$
Q	HCHO	Formaldehyde (HCHO) sensor	+ \$
S	O2	Liquid Oxygen (O2) sensor	+ \$

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

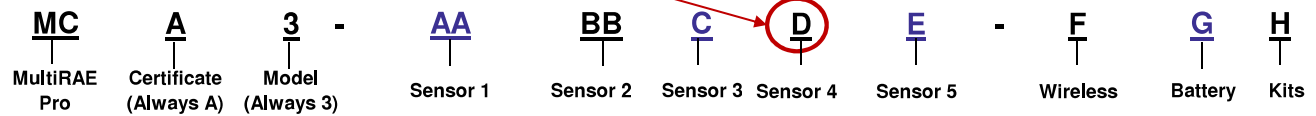
**** Note: NO and NH₃** sensors cannot be installed in the same instrument

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

MC A 3 - AA BB C **D** E - F G H

MultiRAE Pro 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 / Gamma / Electrochemical Sensors)			
0	Empty	Dummy sensor	+ \$
Gamma Radiation Sensor			
Z	Gamma	Gamma radiation sensor	+ \$
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.)	+ \$
Q	HCHO	Formaldehyde (HCHO) sensor	+ \$
S	O2	Liquid Oxygen (O2) sensor	+ \$

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

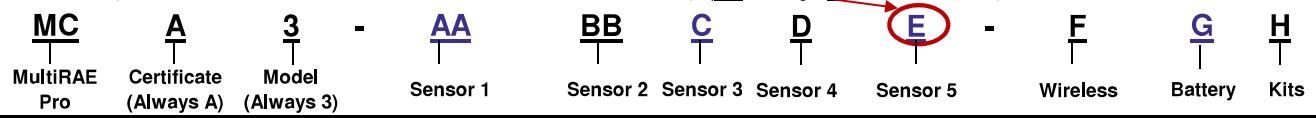
**** Note: NO and NH₃** sensors cannot be installed in the same instrument

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

MC A 3 - AA BB C D **E** - F G H

MultiRAE Pro Configuration Guide

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





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		+	\$
2	Accessories / Conf. Space + 10 ppm Isobutylene Cal. Kit (with 1 regulator)		+	\$
3	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) + 10 ppm Iso Cal. Kit (with 2 reg's)		+	\$
B	Access. / Conf. Space + 4-gas (LEL/O ₂ /CO/H ₂ S) + 100 ppm Iso Cal. Kit (with 2 reg's)		+	\$
N	Acc. / Conf. Sp. + 4-gas (LEL/O ₂ /CO/H ₂ S) + 10 ppm Iso + 100 ppm Iso Cal. Kit (w/ 3 reg)		+	\$

MC **A** **3** - **AA** **BB** **C** **D** **E** **F** **G** **H**

MultiRAE Pro Configuration Guide

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

