

5. MultiRAE Multi-Threat Monitors (PGM-62X8 Series)

5.2 MultiRAE Lite Monitors Configuration Guide (Models PGM-6208 and PGM-6208D)

MA	R	M-	AA	BB	C	D	E-	F	G	H
MultiRAE Lite	Certification	Model	Sensor 1	Sensor 2	Sensor 3	Sensor 4	Sensor 5	Wireless Options	Battery Options	Kits and Accessories

R	Certification of Intrinsic Safety										
A	ATEX / IECEx (Europe+India)										
H	Custom Union										
M	Model										
3	MultiRAE Lite - Pumped (PGM-6208)										
6	MultiRAE Lite - Diffusion (PGM-6208D)										
	Sensor Options					AA	BB	C	D	E	
	00/0 Dummy Sensor										
	4R+ PID Sensors										
	A2 PID, LR, 10.6 eV PID sensor (0 to 1,000 ppm; 1 ppm resolution)										
	Combustible NDIR Sensors										
	B4 NDIR, % LEL Combustible sensor (0-100% LEL CH4)										
	B5 NDIR, % Vol. Combustible sensor (0-100% Vol. CH4, 0.1% Vol Res.)										
	CO₂ NDIR Sensors										
	B8 CO ₂ NDIR, HR Carbon dioxide sensor (up to 50,000 ppm, 100ppm Res.)										
	LEL Catalytic Bead Sensor										
	C1 LEL Combustible catalytic bead LEL sensor										
	Electrochemical Sensors*										
	01/1 H ₂ S ^{***} Hydrogen Sulfide sensor (up to 100 ppm reading)										
	02/2 CO Carbon Monoxide sensor (up to 500 ppm reading)										
	03/3 SO ₂ Sulfur Dioxide sensor (0 to 20 ppm, 0.1 ppm res.)										
	04/4 NO ^{****} Nitric Oxide sensor (0 to 250 ppm, 0.5 ppm res.)										
	05/5 NO ₂ Nitrogen Dioxide sensor (0 to 20 ppm, 0.1 ppm res.)										
	06/6 Cl ₂ ^{***} Chlorine sensor (0 to 50 ppm, 0.1 ppm res.)										
	07/7 HCN Hydrogen Cyanide sensor (0 to 50 ppm, 0.5 ppm res.)										
	08/8 NH ₃ ^{****} Ammonia sensor (0 to 100 ppm, 1 ppm res.)										
	09/9 PH ₃ Phosphine sensor (up to 20 ppm reading)										
	0A/A ClO ₂ ^{**} Chlorine Dioxide sensor (0 to 1 ppm, 0.03 ppm res.)										
	0D/D CO, HR Carbon Monoxide sensor (up to 2,000 ppm, 10 ppm res.)										
	0E/E O ₂ Oxygen sensor (0 to 30% Vol., 0.1% Vol. res.)										
	0F/F CO comp. H ₂ Carbon Monoxide (H ₂ -compensated, 0-2,000 ppm, 10 ppm)										
	0H/H CH ₃ -SH Methyl Mercaptan sensor (0 to 10 ppm, 0.1 ppm)										
	0J/J EtO-A Ethylene Oxide sensor (0 - 100 ppm; 0.5 ppm res.)										
	0K/K EtO-B Ethylene Oxide sensor (0 - 10 ppm, 0.1 ppm res.)										
	0L/L EtO-C, HR [®] Ethylene Oxide sensor (0 - 500 ppm; 10 ppm res.)										
	0M/M H ₂ [§] Hydrogen sensor (0 to 1,000 ppm, 10 ppm res.)										
	0N/N H ₂ S, HR [§] Hydrogen Sulfide sensor (0 to 1,000 ppm, 1 ppm res.)										
	0Q/Q HCHO Formaldehyde sensor (0 to 10 ppm, 0.05 ppm res.)										
	0R/R CO+H ₂ S ^{****} Carbon Monoxide+Hydrogen Sulfide combo										
	0S/S Liquid O ₂ Liquid Oxygen sensor (0 to 30% Vol., 0.1% Vol res.)										
	0U/U PH ₃ -H Phosphine sensor (allows cross calibration) (0 to 20 ppm)										
	F Wireless Options										
	0 Non-Wireless										
	3 Wireless, 868 MHz (active 868 MHz wireless modem), Europe										
	C Wireless (Mesh) data transmission, CU (869MHz), Russia										
	D Wireless (Mesh) data transmission, ATEX (865.6+866.4MHz), India										
	W Wi-Fi modem (built-in wireless modem)										
	B BLE										
	P P2P Communication capability										
	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)										
	9 Accessories / Conf. Space + 4-gas (LEL/O ₂ /CO/H ₂ S) Cal. Kit (with 1 reg)										
	D Accessories / Conf. Space + 100 ppm Isobutylene Cal. Kit (with 1 reg)										
	G Access. / Conf. Space + 4-gas (LEL/O ₂ /CO/H ₂ S) + 100 ppm Iso Cal. Kit (2 reg's)										

Select one sensor for each of the five slots. Use the two digit code for Sensor 1 and 2. Use the one digit code for Sensors 3 - 5. If the instrument is ordered with fewer than five sensors, a dummy sensor must be installed in the empty sensor slot(s). Sensors cannot be installed in black marked slots.

PID sensors require a pump
§ H₂, H₂S HR and ETO-C sensors are only supported in the diffusion model

Notes:
* When ordering electrochemical sensors, please select the lower number first
** ClO₂ and H₂S, H₂S-HR or CO+H₂S cannot be installed in the same instrument
*** Cl₂ and H₂S, H₂S-HR or CO+H₂S cannot be installed in the same instrument
**** NO and NH₃ sensors cannot be installed in the same instrument

Cl₂ and ClO₂ sensors have cross sensitivity but it is fall safe
Please refer to TN114 for cross interference between electrochemical sensors

Example:
MultiRAE Lite-Pumped / 10.6 eV PID / LEL / H₂S / CO / O₂ / Li-ion / Non-Wireless/Unit with Accessories / Confined Space and Calibration (4-gas + Iso) Kits

MA	A	3-	AA	BB	C	1	2	E-	0	2	G
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→ 0+585+519+157+157+157+157+0+129+1010 = GBP 2871

MultiRAE Lite-Diffusion / CO₂ / LEL / H₂S / O₂ / Li-ion / Wireless (868 MHz)/Unit with Accessories / Confined Space Kit (no gas or regulator)

MA	A	G-	BB	BB	C	0	1	E-	3	2	1
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→ 0+494+720+157+0+157+157+171+129+265 = GBP 2250